

## Section 26

### Fisheries

This section presents statistics relating to commercial fishing and the fish processing industry. The principal sources of these data are *Fishery Statistics of the United States* and *Fisheries of the United States*, both issued annually by the National Marine Fisheries Service (NMFS), National Oceanic and Atmospheric Administration (NOAA), of the U.S. Department of Commerce.

The NMFS publishes monthly data on commercial landings of fish and shellfish, freezings, and holdings of fishery products, fish meal and oil production, and foreign trade in fishery products. Quarterly data are published on U.S. output of fish sticks, fish portions, and breaded shrimp. Annual reports for fisheries include data on quantity and value of commercial landings, of fish and shellfish (by species, region, State, and type of fishing gear), disposition of landings, number of fishermen, and number and kinds of fishing vessels and fishing gear. Reports for the fish-processing industry include annual data on output of canned, packaged, and industrial products and, for wholesaling and fish processing establishments, annual and seasonal employment, and number of firms, by product and State. Annual data are published on foreign trade in fishery products and per capita consumption of edible fishery products.

The first comprehensive survey of U.S. fisheries and fishery industries, made for the year 1880, did not include the Mississippi River and its tributaries. A complete survey was conducted in 1908 by the Bureau of the Census and in 1931 by the Bureau of Fisheries. For 1963 and 1967, the Bureau of the Census, in cooperation with the Bureau of Commercial Fisheries, conducted a Census of Commercial Fisheries.

Various sections of the country have been surveyed from time to time. A complete survey of all sections, including manufacturing and wholesaling operations, was made for 1950. Beginning in 1954, complete data have been collected annually, except for a portion of the Mississippi River and its tributaries in 1961.

The Water Quality Office of the U.S. Environmental Protection Agency publishes *Pollution-Caused Fish Kills* annually.

The value of catch as presented in various tables is in "ex-vessel" terms. It represents the price received by fishermen for fish, shellfish, and other aquatic plants and animals landed at the dock.

**Historical statistics.**—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix I.

#### NO. 1247. FISHERIES—QUANTITY AND VALUE OF CATCH: 1940 TO 1976

[Prior to 1950, excludes Hawaii. See also *Historical Statistics, Colonial Times to 1970*, series L224-226, L229, and L310.]

YEAR <sup>1</sup>	QUANTITY (mil. lb.)			Ex-vessel value (mil. dol.)	Aver-age price per lb. (cents)	YEAR	QUANTITY (mil. lb.)			Ex-vessel value (mil. dol.)	Aver-age price per lb. (cents)
	Total	For human food	For indus-trial prod-ucts <sup>2</sup>				Total	For human food	For indus-trial prod-ucts <sup>2</sup>		
1940-----	4,060	2,675	1,385	99	2.4	1970-----	4,917	2,537	2,380	613	12.5
1945-----	4,598	3,167	1,431	270	5.9	1971-----	5,018	2,441	2,577	651	13.0
1950-----	4,901	3,307	1,594	347	7.1	1972-----	4,806	2,435	2,371	748	15.6
1955-----	4,809	2,579	2,230	339	7.1	1973-----	4,858	2,398	2,460	937	19.3
1960-----	4,942	2,498	2,444	354	7.2	1974-----	4,967	2,496	2,471	932	18.7
1965-----	4,777	2,587	2,190	446	9.3	1975-----	4,842	2,430	2,412	971	20.0
						1976, prcl.	5,350	2,760	2,590	1,353	25.2

<sup>1</sup> Live weight.

<sup>2</sup> Meal, oil, fish solubles, homogenized condensed fish, and shell products, and used as bait and animal food.

Source: U.S. National Oceanic and Atmospheric Administration, *Fishery Statistics of the United States*, annual.

## NO. 1248. FISHERIES—DISPOSITION OF DOMESTIC CATCH: 1950 TO 1976

[Live weight of catch in millions of pounds. Prior to 1960, excludes Hawaii. In addition to whole fish, a large portion of waste derived from canning, filleting, and dressing fish and shellfish is utilized in production of fish meal and oil. From 400 to 500 million pounds of waste were used in meal and oil production in each year shown. See *Historical Statistics, Colonial Times to 1970*, series L 305-310, for similar but not entirely comparable data]

DISPOSITION	1950	1955	1960	1965	1970	1971	1972	1973	1974	1975, prel.	1976, prel.
Total.....	4,884	4,794	4,942	4,777	4,917	5,018	4,806	4,858	4,967	4,842	5,350
Fresh and frozen.....	1,692	1,568	1,631	1,751	1,595	1,580	1,612	1,685	1,660	1,666	1,855
Canned.....	1,720	1,039	1,043	1,042	1,150	1,019	976	882	1,005	935	1,094
Cured.....	100	86	82	76	71	76	70	91	69	69	53
Reduced to meal, oil, etc.....	1,372	2,101	2,186	1,908	2,101	2,343	2,148	2,200	2,233	2,172	2,348

Source: U.S. National Oceanic and Atmospheric Administration, *Fisheries of the United States*, annual.

## NO. 1249. FISHERY PRODUCTS—SUPPLY: 1960 TO 1976

[Live weight, in millions of pounds, except percent. See *Historical Statistics, Colonial Times to 1970*, series L 224-226, for domestic catch]

ITEM	1960	1965	1970	1971	1972	1973	1974	1975, prel.	1976, prel.
Total.....	8,223	10,535	11,474	11,804	13,849	10,378	9,848	10,129	11,555
For human food.....	4,264	5,163	6,213	6,023	6,889	7,109	6,559	6,359	7,389
Finfish.....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	4,915	4,837	5,655
Shellfish <sup>1</sup> .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	1,644	1,522	1,734
For industrial use.....	3,959	5,372	5,261	5,781	6,980	3,269	3,289	3,770	4,166
Domestic catch.....	4,942	4,777	4,917	5,018	4,806	4,858	4,967	4,842	5,350
Percent of total.....	60.1	45.3	42.8	42.5	34.7	46.8	50.2	47.8	46.3
For human food.....	2,498	2,587	2,537	2,441	2,435	2,398	2,496	2,430	2,760
Finfish.....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	1,466	1,537	1,774
Shellfish <sup>1</sup> .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	951	893	986
For industrial use.....	2,444	2,190	2,380	2,577	2,371	2,460	2,471	2,412	2,590
Imports <sup>2</sup> .....	3,281	5,758	6,557	6,786	9,043	5,520	4,908	5,287	6,205
Percent of total.....	39.9	54.7	57.2	57.7	65.3	53.2	49.8	52.2	53.7
For human food.....	1,766	2,576	3,676	3,582	4,454	4,709	4,142	3,929	4,629
Finfish.....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	3,449	3,300	3,881
Shellfish.....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	693	629	748
For industrial use <sup>3</sup> .....	1,515	3,182	2,881	3,204	4,589	811	766	1,358	1,576

NA. Not available. <sup>1</sup> For univalve and bivalve mollusks (conchs, clams, oysters, scallops, etc.), the weight of meats, excluding the shell, is reported. <sup>2</sup> Excludes imports of edible fishery products into Puerto Rico; includes landings of tuna caught by foreign vessels in American Samoa. <sup>3</sup> Fish meal and sea herring.

Source: U.S. National Oceanic and Atmospheric Administration, *Fisheries of the United States*, annual.

## NO. 1250. COMMERCIAL FISHERY PRODUCTS—PER CAPITA CONSUMPTION: 1950 TO 1976

[Pounds of edible meat. Based on U.S. Bureau of the Census estimates of the civilian resident population as of July 1. See also *Historical Statistics, Colonial Times to 1970*, series L 294-304]

PRODUCT	1950	1955	1960	1965	1970	1971	1972	1973	1974	1975, prel.	1976, prel.
Total.....	11.8	10.5	10.3	10.8	11.8	11.5	12.4	12.9	12.2	12.2	12.9
Fresh and frozen.....	6.3	5.9	5.7	6.0	6.9	6.7	7.1	7.4	7.0	7.5	8.1
Fish <sup>1</sup> .....	4.7	4.2	3.8	3.8	4.5	4.3	4.8	5.2	4.5	5.0	5.5
Shellfish.....	1.6	1.7	1.9	2.2	2.4	2.4	2.3	2.2	2.5	2.5	2.6
Canned.....	4.9	3.9	4.0	4.3	4.5	4.3	4.9	5.1	4.8	4.3	4.3
Salmon.....	1.4	1.0	.7	.9	.7	.7	.7	.4	.3	.4	.4
Sardines.....	1.4	.6	.4	.3	.4	.4	.4	.5	.4	.2	.3
Tuna.....	1.1	1.4	2.0	2.3	2.5	2.4	2.9	3.1	3.1	2.9	2.8
Shellfish.....	.4	.4	.4	.5	.5	.5	.5	.6	.6	.4	.4
Other.....	.6	.5	.5	.3	.4	.3	.4	.5	.4	.4	.4
Cured.....	.6	.7	.6	.5	.4	.5	.4	.4	.4	.4	.5

<sup>1</sup> Beginning 1973, includes consumption of artificially cultivated catfish.

Source: U.S. National Oceanic and Atmospheric Administration, *Fisheries of the United States*, annual.

# Commercial Catch—Fishermen—Fishing Craft

731

## No. 1251. FISHERIES—WORLD COMMERCIAL CATCH, SELECTED COUNTRIES: 1970 TO 1975

**[In billions of pounds, live weight.]** Includes catch of fish, crustaceans, mollusks (including weight of shells), and other aquatic plants and animals, except whales and seals. Data from Food and Agriculture Organization of the United Nations.

COUNTRY	1970	1972	1973	1974	1975	COUNTRY	1970	1972	1973	1974	1975
Total, all countries <sup>1</sup>	153.4	144.6	145.7	155.4	153.7	S. Africa, Rep. of	3.4	2.5	2.9	3.1	3.9
United States	6.1	5.8	5.9	6.1	6.2	Indonesia	2.8	2.8	2.9	2.9	3.1
Japan	20.5	22.6	23.7	23.8	23.2	Philippines	2.2	2.5	2.7	2.8	3.0
U.S.S.R.	16.0	17.1	19.0	20.4	21.8	Chile	2.6	3.3	1.5	2.5	2.5
Peru	27.8	10.5	5.2	9.1	7.6	Canada	3.1	2.6	2.6	2.3	2.3
Norway	6.6	7.0	6.6	5.8	5.6	Great Britain	2.4	2.4	2.5	1.2	1.1
India	3.8	3.6	4.3	5.0	5.1	Iceland	1.2	1.6	2.0	2.1	2.2
Korea, Rep. of	2.1	3.0	3.7	4.5	4.7	France	1.7	1.7	1.8	1.8	1.8
Denmark	2.7	3.2	3.2	4.0	3.9	North Korea <sup>2</sup>	1.8	1.8	1.8	1.8	1.8
Thailand	3.2	3.7	3.7	3.3	3.0	S. Vietnam <sup>2</sup>	1.1	1.5	1.6	2.2	2.2
Spain	3.3	3.6	3.5	3.3	3.4	Nigeria	(NA)	(NA)	1.5	1.5	1.1
						Poland	1.0	1.2	1.3	1.5	1.8
						Brazil <sup>2</sup>	1.1	1.3	1.3	1.5	1.5

NA Not available.

<sup>1</sup> Includes countries not shown separately.

<sup>2</sup> Estimated.

## No. 1252. FISHERIES—EMPLOYMENT, FISHING CRAFT, AND ESTABLISHMENTS: 1950 TO 1975

**[In thousands. As of Dec. 31. See also *Historical Statistics, Colonial Times to 1970*, series L 254-261]**

ITEM	1950	1955	1960	1965	1969	1970	1971	1972	1973	1974	1975, prel.
Persons employed in U.S.	263	242	224	215	224	227	231	230	243	253	(NA)
Fishermen	161	144	130	129	130	141	140	139	149	161	(NA)
Shore workers <sup>1</sup>	102	98	94	87	94	87	91	91	94	92	92
Craft used	92	83	77	80	77	87	86	86	90	101	(NA)
Vessels, 5 net tons and over	11	12	12	12	12	14	14	15	15	16	(NA)
Motorboats	46	58	57	64	57	72	71	70	72	83	(NA)
Other boats	35	13	8	3	8	2	2	2	2	2	(NA)
Fishery shore establishments	3.9	4.1	4.2	4.2	4.2	3.7	3.7	3.7	3.6	3.5	3.6

<sup>1</sup> Seasonal average.

## No. 1253. FISHERIES—FISHERMEN AND FISHING CRAFT, 1974, AND CATCH, BY AREAS: 1975

[See *Historical Statistics, Colonial Times to 1970*, series L 236-253, for data on quantity and ex-vessel value of catch]

AREA	1974 <sup>1</sup>			1975					
	Fishermen	Fishing vessels	Fishing boats <sup>1</sup>	Catch (mil. lb.)			Value of catch (mil. dol.)		
				Total	Fin-fish	Shell-fish	Total	Fin-fish	Shell-fish
United States	<sup>3</sup> 161,361	<sup>3</sup> 15,891	<sup>3</sup> 85,345	4,842	3,934	908	971	484	487
New England States	29,411	731	14,603	497	430	67	150	71	79
Middle Atlantic States	15,698	460	11,087	188	120	68	50	14	36
Chesapeake Bay States	23,186	1,899	16,038	508	375	133	54	15	39
South Atlantic States	10,797	1,522	5,292	327	265	62	61	21	40
Gulf States	25,489	4,681	9,507	1,663	1,420	243	271	65	206
Pacific Coast States	44,534	6,704	14,739	1,522	1,187	335	359	272	87
Great Lakes States	1,389	244	668	66	66	-	10	10	-
Mississippi River States	13,051	-	12,535	62	62	-	10	10	-
Hawaii	1,992	97	1,066	9	9	(Z)	6	6	(Z)

<sup>1</sup> Represents zero. Z Less than 500,000 pounds or \$500,000. <sup>2</sup> As of Dec. 31.

<sup>2</sup> Refers to craft having capacity of less than 5 net tons. <sup>3</sup> Exclusive of duplication between regions.

Source of tables 1251-1253: U.S. National Oceanic and Atmospheric Administration, *Fishery Statistics of the United States*, annual, and *Fisheries of the United States*, annual.

## Fisheries

## NO. 1254. FISHERIES—CATCH AND VALUE OF PRINCIPAL SPECIES: 1965 TO 1976

[Catch in live weight, except as indicated. Data exclude landings by U.S. flag vessels at Puerto Rico and other ports outside the 50 States, and production of artificially cultivated fish and shellfish.]

SPECIES	CATCH (mil. lb.)						VALUE (mil. dol.)					
	1965	1970	1973	1974	1975, prel.	1976, prel.	1965	1970	1973	1974	1975, prel.	1976, prel.
<b>FISH</b>												
Cod, Atlantic	36	53	59	59	56	56	3	6	10	11	13	14
Flounder	180	169	168	162	156	165	18	23	33	36	43	52
Haddock	134	27	8	8	16	13	14	6	3	3	5	6
Halibut	40	35	27	18	22	21	9	9	19	12	15	19
Herring, sea	110	79	102	128	119	151	2	2	6	6	6	11
Jack mackerel	67	47	21	25	30	39	2	2	1	1	1	2
Menhaden	1,726	1,837	1,888	2,001	1,803	2,039	27	34	75	67	49	67
Ocean perch, Atlantic	84	55	54	41	32	32	3	3	4	3	3	4
Salmon, Pacific	327	410	222	201	202	309	65	99	128	120	116	196
Tuna	319	393	347	392	391	486	42	75	91	119	108	150
Whiting	83	46	43	30	42	48	2	4	3	3	4	4
<b>SHELLFISH</b>												
Clams (meats)	71	99	108	122	112	81	17	29	35	41	41	63
Crabs	335	277	297	332	301	345	31	39	88	85	84	137
Lobsters, American	30	34	29	29	29	32	22	33	42	43	49	53
Oysters (meats)	55	54	52	50	53	54	28	29	39	41	43	53
Scallops (meats)	23	11	8	9	13	24	15	12	13	13	22	41
Shrimp	244	367	380	372	344	404	82	130	220	180	226	331

Source: U.S. National Oceanic and Atmospheric Administration, *Fishery Statistics of the United States*, annual, and *Fisheries of the United States*, annual.

## NO. 1255. U.S. CATCH AND VALUE OF PRINCIPAL FISH AND SHELLFISH, BY SPECIES AND DISTANCE CAUGHT OFF U.S. SHORES: 1976

[Preliminary. Catch is shown in live weight, except as indicated. Includes landings by U.S. flag vessels at Puerto Rico and other ports outside the 50 States]

SPECIES	Total U.S. catch <sup>1</sup> (mil. lb.)	BY DISTANCE FROM U.S. SHORES						Value of U.S. catch <sup>1</sup> (mil. dol.)	PERCENT OF TOTAL VALUE, BY DISTANCE CAUGHT OFF U.S. SHORES			
		Catch (mil. lb.)			Percent of U.S. catch				3 miles or less <sup>2</sup>	3 to 12 miles	12 to 200 miles	
		3 miles or less <sup>2</sup>	3 to 12 miles	12 to 200 miles	3 miles or less <sup>2</sup>	3 to 12 miles	12 to 200 miles		3 miles or less <sup>2</sup>	3 to 12 miles	12 to 200 miles	
<b>FISH</b>												
Cod, Atlantic	55.8	4.2	11.2	39.6	7.6	20.1	70.8	14.4	6.9	18.7	72.7	
Flounder	164.7	28.8	42.9	89.6	17.5	26.0	54.4	52.0	17.6	21.6	59.7	
Haddock	12.8	.1	1.3	9.1	1.2	10.0	71.3	5.6	1.0	9.6	71.6	
Halibut	20.6	2.6	5.1	12.9	12.7	24.7	62.6	19.4	12.6	24.9	62.5	
Herring, sea	150.9	132.7	8.3	9.9	87.9	5.5	6.6	10.7	94.4	2.6	3.0	
Jack mackerel	38.5	6.0	10.0	22.5	15.5	26.0	58.5	1.9	15.5	26.0	58.5	
Ocean perch	37.8	.1	1.8	26.1	.2	4.8	69.0	5.1	.2	4.2	71.3	
Salmon, Pacific	309.2	276.3	27.3	5.6	89.3	8.8	1.8	196.5	79.6	16.1	4.2	
Tuna	659.9	.8	3.6	33.0	.1	.5	5.0	199.8	.2	1.0	7.6	
Whiting	47.7	5.8	20.8	21.0	12.2	43.7	44.1	4.0	13.5	42.6	43.8	
<b>SHELLFISH</b>												
Clams (meats)	81.0	34.3	12.5	34.2	42.4	15.4	42.2	62.7	64.2	7.4	28.4	
Crabs	344.8	180.0	140.7	24.2	52.2	40.8	7.0	137.0	43.9	44.8	11.3	
Lobsters	36.6	24.9	5.2	6.1	68.0	14.1	16.6	60.2	65.7	14.5	18.6	
Scallops (meats)	24.2	2.9	3.1	18.2	12.1	12.8	75.1	41.3	15.5	7.9	76.9	
Shrimp <sup>3</sup>	411.3	174.2	107.5	112.9	42.4	26.1	27.4	346.4	33.8	15.7	42.2	

<sup>1</sup> Includes catch from international waters or off foreign shores, not shown separately.

<sup>2</sup> Includes all landings in Great Lakes and other inland waters.

<sup>3</sup> Includes landings at Gulf Coast and foreign ports.

Source: U.S. National Oceanic and Atmospheric Administration, *Fisheries of the United States*, annual.

# Quantity and Value of Catch

733

**NO. 1256. FISHERIES—QUANTITY AND VALUE OF CATCH, BY STATES, AND CATCH OF PRINCIPAL SPECIES, BY AREAS: 1950 TO 1975**

[Catch in millions of pounds, live weight, except as indicated; ex-vessel value in millions of dollars. See also *Historical Statistics, Colonial Times to 1970*, series L 266-293]

STATE, CATCH, AND VALUE	1950	1955	1960	1965	1970	1972	1973	1974	1975, prel.
<b>New England:</b>									
Catch.....	1,007	955	852	702	531	489	518	523	497
Value.....	61	57	61	75	91	107	117	124	150
Maine: Catch.....	356	257	295	205	159	149	143	148	138
Value.....	15	16	20	22	31	35	43	41	49
New Hampshire: Catch.....	1	1	1	1	1	2	2	3	3
Value.....	(2)	(2)	(2)	1	1	1	1	1	1
Massachusetts: Catch.....	591	566	480	442	287	252	269	270	270
Value.....	41	35	36	46	47	57	58	62	78
Rhode Island: Catch.....	38	115	69	49	79	82	97	97	79
Value.....	3	5	4	5	11	13	15	17	19
Connecticut: Catch.....	20	16	6	5	5	4	7	5	7
Value.....	2	1	1	2	2	2	2	3	3
Catch for certain species:									
Cod.....	54	32	35	35	53	46	50	58	55
Flounder.....	67	50	62	112	104	94	88	81	78
Haddock.....	158	135	119	134	27	12	8	8	16
Herring, sea.....	195	104	155	75	66	88	57	71	79
Lobster, American.....	23	28	29	29	30	29	26	26	27
Ocean perch, Atlantic.....	208	157	141	84	55	59	54	41	32
Whiting.....	65	111	104	75	40	18	34	20	33
<b>Middle Atlantic:</b>									
Catch.....	492	871	784	356	140	240	257	211	188
Value.....	29	29	22	25	30	39	42	44	50
New York: Catch.....	142	133	126	147	32	37	36	35	37
Value.....	16	9	9	12	16	22	22	25	28
New Jersey: Catch.....	189	421	374	160	98	191	210	167	144
Value.....	10	13	10	11	13	14	18	17	20
Delaware: Catch.....	161	317	284	48	10	13	11	9	7
Value.....	3	6	3	1	1	2	2	2	2
Catch for certain species:									
Clams (meats).....	22	17	32	52	63	44	41	42	53
Menhaden.....	373	764	671	151	31	140	166	108	67
Oysters (meats).....	18	10	1	1	1	3	3	3	3
Scup.....	21	21	27	17	4	5	6	10	10
<b>Chesapeake Bay:</b>									
Catch.....	381	496	436	592	630	736	701	597	508
Value.....	25	32	35	40	41	46	62	58	55
Maryland: Catch.....	67	55	69	87	80	70	70	70	64
Value.....	9	11	14	13	19	19	21	22	22
Virginia: Catch.....	314	441	367	505	551	666	631	530	444
Value.....	16	20	21	27	22	27	41	36	33
Catch for certain species:									
Alewives.....	35	27	19	38	21	12	11	15	12
Clams (meats).....	2	4	8	11	23	34	53	67	47
Crabs.....	80	45	71	86	70	75	59	68	61
Menhaden.....	171	315	249	360	450	557	506	385	322
Oysters (meats).....	30	39	27	21	25	24	25	25	21
<b>South Atlantic:</b>									
Catch.....	261	347	379	357	280	286	240	305	327
Value.....	19	17	20	27	30	45	57	51	61
North Carolina: Catch.....	172	233	265	234	173	176	138	207	238
Value.....	7	7	7	9	9	12	16	18	20
South Carolina: Catch.....	15	22	24	27	16	22	21	19	20
Value.....	3	2	4	5	4	8	11	7	13
Georgia: Catch.....	17	19	28	20	14	18	17	18	18
Value.....	4	2	3	4	4	7	11	7	12
Florida (east coast): Catch.....	56	72	61	76	76	71	64	61	51
Value.....	6	5	6	8	12	18	19	19	16
Catch for certain species:									
Crabs.....	20	33	45	46	43	36	32	38	31
Menhaden.....	147	228	215	192	136	106	85	134	166
Shrimp.....	36	29	31	26	21	25	25	27	25

See footnotes at end of table.

**NO. 1256. FISHERIES—QUANTITY AND VALUE OF CATCH, BY STATES, AND CATCH OF PRINCIPAL SPECIES, BY AREAS: 1950 TO 1975—Continued**

[Catch in millions of pounds, live weight, except as indicated; ex-vessel value in millions of dollars. See also *Historical Statistics, Colonial Times to 1970*, series L 282-293]

STATE, CATCH, AND VALUE	1950	1955	1960	1965	1970	1972	1973	1974	1975, prel.
<b>Gulf States:</b>									
Catch.....	571	830	1,266	1,463	1,698	1,588	1,544	1,776	1,663
Value.....	50	76	85	114	167	224	267	242	271
Florida (west coast): Catch.....	62	106	136	136	116	108	112	123	117
Value.....	10	21	21	27	31	39	46	52	55
Alabama: Catch.....	11	13	12	18	30	36	37	34	31
Value.....	2	2	3	5	10	18	18	17	21
Mississippi: Catch.....	93	188	314	368	298	257	268	301	305
Value.....	5	7	8	9	11	11	17	18	14
Louisiana: Catch.....	307	392	566	787	1,107	1,072	1,029	1,223	1,125
Value.....	22	22	26	37	61	72	95	86	88
Texas: Catch.....	97	130	238	164	147	115	98	94	85
Value.....	11	24	28	36	53	85	91	72	93
<b>Catch for certain species:</b>									
Crabs.....	19	20	36	38	36	37	46	43	37
Menahaden.....	326	481	841	1,023	1,209	1,107	1,074	1,298	1,197
Mullet.....	24	28	33	34	27	29	31	28	30
Oysters (meats).....	12	14	16	19	18	18	15	15	20
Shrimp.....	152	212	206	195	230	229	182	186	170
<b>Great Lakes:</b> <sup>1</sup>									
Catch.....	71	77	68	56	72	60	68	78	66
Value.....	11	10	7	6	6	7	9	11	10
Superior: Catch.....	13	14	14	9	5	4	5	6	5
Value.....	2	2	1	1	1	1	1	2	2
Michigan: Catch.....	27	30	24	27	53	44	51	60	45
Value.....	4	3	2	2	4	4	5	6	5
Huron: Catch.....	5	5	6	5	2	2	2	2	2
Value.....	(2)	(2)	1	1	(2)	(2)	(2)	(2)	1
Erie: Catch.....	24	27	21	14	10	8	8	10	8
Value.....	5	4	2	1	1	1	1	2	2
<b>Pacific Coast:</b>									
Catch.....	1,998	1,115	1,061	1,147	1,480	1,322	1,433	1,391	1,521
Value.....	139	107	112	148	235	264	363	381	359
Washington: Catch.....	119	155	113	127	134	124	144	147	140
Value.....	19	21	16	18	30	39	69	59	57
Oregon: Catch.....	58	47	49	69	98	93	92	96	93
Value.....	7	6	6	9	23	24	30	37	29
California: Catch.....	1,338	598	541	468	703	649	731	685	850
Value.....	82	53	50	51	86	99	112	140	129
Alaska: Catch.....	482	315	358	492	545	456	466	463	438
Value.....	31	27	41	70	96	102	152	145	144
<b>Catch for certain species:</b>									
Anchovies.....	5	45	5	6	193	150	278	177	331
Crabs.....	24	20	65	161	126	189	154	174	163
Flounder.....	50	47	48	46	48	53	55	54	50
Halibut.....	12	22	51	40	34	26	26	18	21
Herring, sea.....	2	2	84	35	22	19	45	56	40
Salmon.....	329	290	235	327	410	232	222	201	202
Sardines.....	619	146	58	2	(2)	(2)	(2)	(2)	(2)
Shrimp.....	4	5	12	20	93	109	152	141	137
Tuna.....	390	269	288	296	378	370	331	381	379
<b>Mississippi River and tributaries:</b>									
Catch.....	106	103	86	85	75	70	83	68	62
Value.....	10	8	8	8	10	10	13	14	11
<b>Hawaii:</b>									
Catch.....	16	15	11	20	11	14	14	11	9
Tuna.....	12	12	9	17	9	12	12	9	7
Value.....	4	3	3	4	4	6	6	6	6

Z Less than 500,000 pounds or \$500,000.

<sup>1</sup> Collected largely by State fishery agencies, and compiled by National Marine Fisheries Service. Includes, in addition to lakes shown, small amounts for Lake Ontario, Lake St. Clair, Lake of the Woods, Namakan Lake, and Rainy Lake.

Source: U.S. National Oceanic and Atmospheric Administration, *Fishery Statistics of the United States*, annual.

# Prices Received—Fishery Products

735

## NO. 1257. PRICES RECEIVED BY FISHERMEN: 1960 TO 1976

[Cents per pound. Based on prices received by fishermen from processors. See also *Historical Statistics, Colonial Times to 1970*, series L 321-337]

SPECIES	Point of pricing	1960	1965	1970	1972	1973	1974	1975 <sup>1</sup>	1976 <sup>1</sup>
Clams, soft.....	Maine.....	39.7	49.1	47.5	60.4	78.5	76.4	86.9	101.6
Cod.....	Massachusetts.....	6.5	8.0	11.2	17.7	18.5	19.6	24.1	26.8
Crabs, blue.....	Maryland, Virginia.....	5.5	7.6	6.6	8.7	12.1	12.7	15.7	21.4
Flounders.....	Massachusetts.....	12.2	9.5	15.3	21.4	28.7	26.5	34.9	39.9
Haddock.....	Massachusetts.....	7.9	8.9	22.7	36.8	38.1	36.9	32.8	43.0
Lobsters, American.....	Maine.....	45.7	75.2	94.7	114.3	136.5	141.0	161.5	153.9
Mennaden.....	(No specific point).....	1.0	1.6	1.9	1.6	3.9	3.4	2.7	3.3
Ocean perch.....	Maine, Massachusetts.....	4.0	4.1	4.9	5.6	7.7	8.1	10.3	13.7
Oysters, eastern.....	Maryland, Virginia.....	68.2	78.6	61.1	63.2	66.0	70.1	80.1	102.0
Salmon, chinook <sup>2</sup> .....	(No specific point).....	50.8	48.3	86.0	79.6	108.0	102.3	99.3	147.4
Salmon, coho <sup>2</sup> .....	(No specific point).....	40.8	30.1	58.8	67.8	88.1	162.0	105.3	140.7
Sea scallops.....	New Bedford, Mass.....	34.9	67.5	135.6	200.3	177.6	154.2	188.8	184.0
Shrimp.....	South Atlantic, Gulf.....	44.4	58.0	75.4	114.0	151.9	116.1	169.5	208.4
Tuna, albacore.....	(No specific point).....	15.7	15.7	26.2	32.8	41.5	41.0	33.7	47.2

<sup>1</sup> Preliminary. <sup>2</sup> Troll-caught.

Source: U.S. National Oceanic and Atmospheric Administration, *Prices Received by Fishermen*, H.S. No. 12 (C.F.S. No. 4657 Revised) and *Fishery Statistics of the United States*, annual.

## NO. 1258. SUPPLY OF TUNA, SALMON, AND SARDINES: 1965 TO 1976

[In millions of pounds]

ITEM	1965	1970	1972	1973	1974	1975	1976
Tuna:							
Domestic landings, live weight.....	373	478	535	519	551	568	660
Imports, fresh and frozen, live weight <sup>1</sup> .....	379	465	765	817	839	487	602
Canned tuna, total supply.....	409	510	676	674	713	581	657
From domestic landings.....	162	204	234	224	248	269	290
From imported fresh and frozen .....	197	234	386	412	412	260	309
Imported canned.....	51	72	57	39	53	52	59
Canned salmon, total for U.S. consumption.....	150	169	83	63	88	59	110
Domestic pack.....	174	183	93	72	88	78	127
Imports.....	(2)	2	12	8	9	3	3
Exports.....	25	17	21	17	8	22	20
Canned sardines, total supply.....	75	66	107	91	94	57	79
Maine sardines.....	30	19	37	23	25	26	25
Imports.....	45	47	70	67	69	31	54

Z Less than 500,000 pounds.

<sup>1</sup> Includes foreign-caught fish landed or packed in Puerto Rico and American Samoa.

Source: U.S. National Oceanic and Atmospheric Administration, *Fishery Statistics of the United States*, annual.

## NO. 1259. FISHERY PRODUCTS—IMPORTS AND EXPORTS: 1950 TO 1976

[Quantity in millions of pounds; value in millions of dollars. Includes Puerto Rico; beginning 1955, imports also include landings of tuna by foreign vessels in American Samoa. See also *Historical Statistics, Colonial Times to 1970*, series L 227-235]

YEAR	IMPORTS				EXPORTS			
	Total value	Edible products		Non-edible, value	Total value	Edible products		Non-edible, value
		Quantity	Value			Quantity	Value	
1950.....	198	640	158	40	27	122	19	9
1955.....	259	780	209	50	40	110	25	15
1960.....	363	1,095	311	53	44	61	26	19
1965.....	601	1,399	479	121	69	96	49	20
1970.....	1,037	1,873	813	225	117	140	94	24
1972.....	1,494	2,341	1,233	261	158	172	134	24
1973.....	1,583	2,416	1,398	185	299	239	242	57
1974.....	1,711	2,267	1,495	215	262	178	195	67
1975, prel.....	1,637	1,913	1,367	270	305	218	267	37
1976, prel.....	2,277	2,206	1,861	416	382	241	330	53

Source: U.S. National Oceanic and Atmospheric Administration, *Fishery Statistics of the United States*, annual, and *Fisheries of the United States*, annual. Compiled from data furnished by U.S. Bureau of the Census.

## NO. 1260. SELECTED FISHERY PRODUCTS—IMPORTS AND EXPORTS: 1970 TO 1976

[Includes Puerto Rico. See *Historical Statistics, Colonial Times to 1970*, series L 312-318, for selected imports]

PRODUCT	QUANTITY (mil. lb.)					VALUE (mil. dol.)				
	1970	1973	1974	1975	1976	1970	1973	1974	1975	1976
<b>IMPORTS</b>										
<b>Edible:</b>										
Fresh or frozen:										
Whitefish (exc. fillets)	8.4	7.7	7.2	8.4	8.2	4.8	4.6	4.7	5.6	6.1
Halibut (exc. fillets)	18.2	12.6	5.4	8.0	7.4	8.1	10.1	5.2	8.0	9.9
Salmon (exc. fillets)	7.4	18.2	12.5	9.2	7.7	6.7	16.5	14.0	11.5	13.6
Sea herring	103.9	97.6	86.9	99.2	76.5	1.9	5.1	4.7	5.1	5.5
Smelt	8.5	11.3	8.8	8.8	10.5	1.6	3.1	2.8	3.2	3.8
Tuna	442.8	773.5	789.4	478.6	584.6	100.5	216.8	216.1	121.2	193.9
Groundfish fillets <sup>1</sup>	428.8	578.8	431.4	513.8	607.0	134.6	313.5	250.5	278.4	398.6
Other fillets and steaks	136.1	199.3	149.9	167.6	185.0	63.6	122.2	100.8	117.3	149.4
Scallops (meats)	16.8	19.8	18.1	19.7	25.3	10.7	33.6	28.1	37.2	53.0
Lobster, American and spiny	54.9	54.3	55.3	58.1	64.4	93.8	147.9	178.2	188.6	240.7
Shrimp and prawn	214.8	199.6	222.8	201.5	229.8	196.8	278.4	379.8	346.2	463.3
Canned:										
Anchovies, in oil	5.5	6.2	4.8	3.6	4.8	6.3	9.5	8.2	5.6	8.3
Salmon	2.4	7.9	8.6	3.3	2.5	1.6	6.2	11.9	3.9	3.0
Sardines, in oil	34.1	36.1	29.4	18.5	26.9	15.8	23.4	22.0	16.3	23.7
Sardines, herring, not in oil	25.3	46.5	55.7	24.9	39.1	8.3	18.7	23.7	15.9	21.3
Tuna	72.3	38.4	52.7	51.7	58.9	44.3	34.3	51.1	46.0	67.5
Bonito and yellowtail	1.2	1.4	.3	.1	.1	.5	.8	.2	.1	.1
Crab meat	2.8	2.0	2.4	1.4	2.1	5.3	3.2	5.2	2.9	4.6
Oysters	15.0	19.8	16.0	12.4	14.4	8.1	11.6	10.1	8.4	10.7
Lobster, American and spiny	2.5	1.8	1.7	2.1	2.9	8.0	8.0	8.6	10.9	13.9
Pickled or salted:										
Cod, haddock, hake, pollock, and cusk	41.2	38.7	37.8	33.6	36.5	13.6	24.0	29.8	26.8	31.4
Herring	30.6	21.7	18.6	20.6	30.9	5.4	6.0	6.0	6.6	10.0
<b>Nondurable (scrap and meal)</b>	<b>502.0</b>	<b>136.0</b>	<b>136.0</b>	<b>236.7</b>	<b>280.8</b>	<b>37.7</b>	<b>14.3</b>	<b>15.7</b>	<b>23.6</b>	<b>32.9</b>
<b>EXPORTS</b>										
Canned salmon	16.8	16.9	8.3	22.5	19.6	13.1	26.8	13.3	34.6	33.9
Canned sardines	1.5	1.7	1.7	2.2	1.8	.7	1.1	1.1	1.8	1.6
<b>Fish oil, nondurable</b>	<b>158.8</b>	<b>247.8</b>	<b>199.1</b>	<b>191.8</b>	<b>179.2</b>	<b>15.7</b>	<b>33.9</b>	<b>39.6</b>	<b>27.8</b>	<b>29.9</b>

<sup>1</sup> Includes cod, cusk, haddock, hake, pollock, and Atlantic ocean perch.Source: U.S. National Oceanic and Atmospheric Administration, *Fishery Statistics of the United States*, annual. Compiled from data furnished by U.S. Bureau of the Census.

## NO. 1261. FRESH AND FROZEN FISHERY PRODUCTS: 1965 TO 1976

[Excludes Alaska and Hawaii, except frozen fishery products includes Alaska]

PRODUCT	PRODUCTION (mil. lb.)						VALUE (mil. dol.)					
	1965	1970	1973	1974	1975	1976	1965	1970	1973	1974	1975	1976
<b>Fresh and frozen fillets and steaks</b>												
Cod	168.8	133.5	133.4	135.5	131.9	147.6	66.3	74.8	111.4	119.8	137.9	176.0
Flounder	10.0	13.6	17.1	19.1	15.2	16.7	3.5	7.4	13.8	16.4	14.6	19.1
Haddock	49.6	46.7	40.3	40.9	41.9	48.2	20.3	28.7	40.5	44.6	52.1	72.5
Ocean perch, Atlantic	40.2	8.9	6.4	8.9	8.2	9.7	16.3	6.9	9.1	12.1	12.3	17.2
Whiting	22.7	16.0	15.6	12.1	8.4	9.4	6.2	4.9	8.2	6.2	5.7	8.1
Other	2.3	.8	2.8	2.0	.1	1.0	.5	.3	1.1	.6	.1	.6
<b>Frozen fishery products</b>	<b>366.8</b>	<b>388.3</b>	<b>410.4</b>	<b>339.9</b>	<b>299.7</b>	<b>321.7</b>	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

NA Not available.

Source: U.S. National Oceanic and Atmospheric Administration, *Fishery Statistics of the United States*, annual.

# Canned and Processed Fishery Products

737

## No. 1262. CANNED FISHERY PRODUCTS—PRODUCTION AND VALUE, BY SPECIES: 1965 TO 1976

[See also *Historical Statistics, Colonial Times to 1970*, series L 338–357 (production data in cases) and L 358]

PRODUCT	PRODUCTION (mil. lb.)						VALUE (mil. dol.)					
	1965	1970	1973	1974	1975	1976, prel.	1965	1970	1973	1974	1975	1976, prel.
Total.....	1,122	1,346	1,647	1,554	1,386	1,568	495	742	1,167	1,306	1,071	1,430
Salmon.....	174	183	71	88	78	128	123	139	111	137	115	205
Sardines, Maine.....	130	19	23	25	26	25	11	11	16	22	25	24
Tuna.....	358	438	636	660	529	599	233	381	705	824	653	853
Mackerel.....	32	8	3	4	10	7	5	2	1	1	3	2
Shrimp.....	16	25	25	22	12	20	21	37	55	44	28	49
Clam products.....	68	65	91	88	76	64	18	26	38	43	42	39
Oysters.....	4	2	2	2	2	1	4	2	3	3	4	3
Other.....	440	606	796	665	653	724	81	144	238	232	201	255

<sup>1</sup> Packed from Atlantic sea herring. Includes California sardines, which are included in "Other" thereafter.

Source: U.S. National Oceanic and Atmospheric Administration, *Fishery Statistics of the United States*, annual.

## No. 1263. PROCESSED FISHERY PRODUCTS—SUMMARY: 1970 TO 1976

[Includes Puerto Rico and American Samoa. See *Historical Statistics, Colonial Times to 1970*, series L 362–365, for meal, scrap, and oil]

PRODUCT	PRODUCTION (mil.)						VALUE (mil. dol.)					
	Unit	1970	1973	1974	1975	1976, prel.	1970	1973	1974	1975	1976, prel.	
Total.....	(x)	(x)	(x)	(x)	(x)	(x)	1,726.5	2,754.4	2,756.3	2,655.4	3,483.0	
Packaged fresh and frozen....	lb.	1,157.7	1,213.9	1,120.5	1,112.5	1,252.7	800.3	1,275.9	1,128.9	1,308.5	1,747.4	
Fish not breaded:												
Fillets and steaks, raw.....	lb.	133.5	133.4	135.5	131.9	147.6	74.8	111.4	119.8	137.9	176.0	
Dressed.....	lb.	32.0	34.3	46.2	55.1	38.3	9.1	19.1	21.4	42.8	24.2	
Other <sup>1</sup> .....	lb.	10.4	18.0	19.0	26.0	29.4	4.5	12.6	14.2	21.9	29.3	
Fish breaded, raw and cooked:												
Sticks.....	lb.	115.9	127.2	103.0	91.2	94.2	57.7	79.8	64.6	62.2	73.2	
Fillets, portions, and steaks.....	lb.	295.5	315.7	282.6	286.1	334.6	186.9	217.3	204.0	211.4	276.8	
Shellfish:												
Not breaded.....	lb.	327.5	325.4	327.3	314.9	389.0	343.2	532.8	442.5	533.9	798.3	
Breaded, raw and cooked.....	lb.	118.7	136.5	114.7	128.2	127.3	129.4	208.5	171.7	219.8	257.3	
Specialties, fish and shellfish.....	lb.	124.0	123.4	92.2	79.1	92.3	44.7	94.4	90.7	78.6	112.3	
Canned products.....	lb.	1,345.9	1,647.3	1,554.0	1,385.9	1,567.8	741.8	1,167.2	1,305.8	1,071.9	1,429.7	
Fish and shellfish.....	lb.	805.2	951.0	963.2	802.1	907.1	632.6	996.3	1,127.4	919.7	1,231.7	
Salmon eggs for bait.....	lb.	1.0	.5	.5	.6	.6	3.9	3.6	3.8	4.4	2.1	
Animal food.....	lb.	539.7	605.8	590.3	588.2	660.1	105.2	167.3	174.6	147.8	195.9	
Cured fish.....	lb.	70.9	59.5	69.5	55.4	54.5	76.9	90.7	113.7	101.6	112.0	
Salted <sup>2</sup> .....	lb.	38.8	30.7	39.5	30.5	32.2	30.5	35.5	49.7	43.9	51.0	
Smoked.....	lb.	30.8	28.3	29.3	24.4	21.7	42.8	53.8	62.3	55.8	59.0	
Sun dried <sup>3</sup> .....	lb.	1.2	.5	.7	.6	.6	3.6	1.4	1.7	1.9	2.2	
Industrial products.....	(x)	(x)	(x)	(x)	(x)	(x)	107.5	220.6	207.9	173.4	193.7	
Meal and scrap.....	tons	.3	.3	.3	.3	.3	46.4	119.9	84.4	65.5	96.8	
Oil (body and liver).....	lb.	206.1	224.6	238.0	245.7	204.6	18.2	25.6	49.2	32.6	31.2	
Fish solubles.....	tons	(Z)	(Z)	(Z)	(Z)	(Z)	4.9	15.4	11.7	8.8	14.3	
Other <sup>4</sup> .....	(x)	(x)	(x)	(x)	(x)	(x)	38.0	59.7	62.6	66.5	51.4	

X Not applicable. Z Less than 50,000 tons.

<sup>1</sup> Includes unbreaded portions and, for 1970, whale meat for animal feeding.

<sup>2</sup> Includes spiced and pickled.

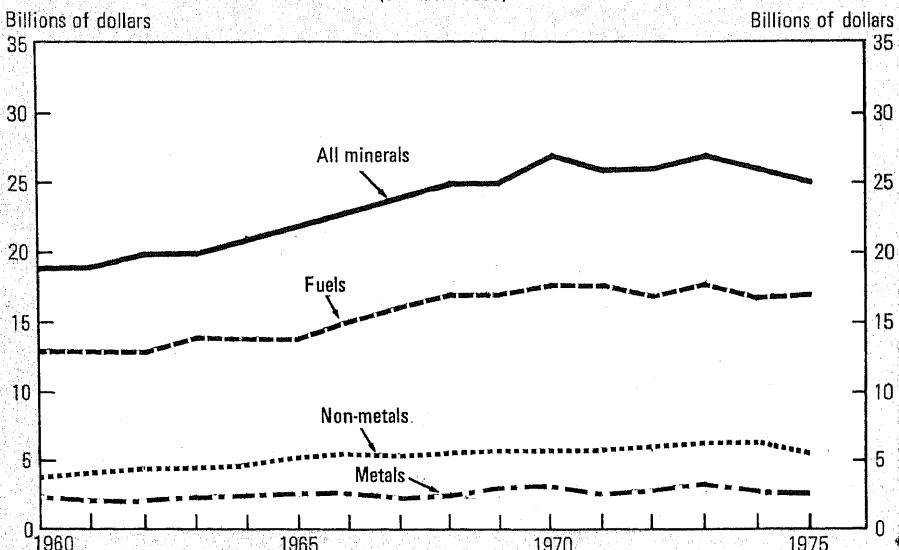
<sup>3</sup> Includes freeze dried.

<sup>4</sup> Includes buttons from fresh water mussel and marine shell, sealskins processed in South Carolina, fish meal further processed from imported fish meal, and oyster shell grit and lime.

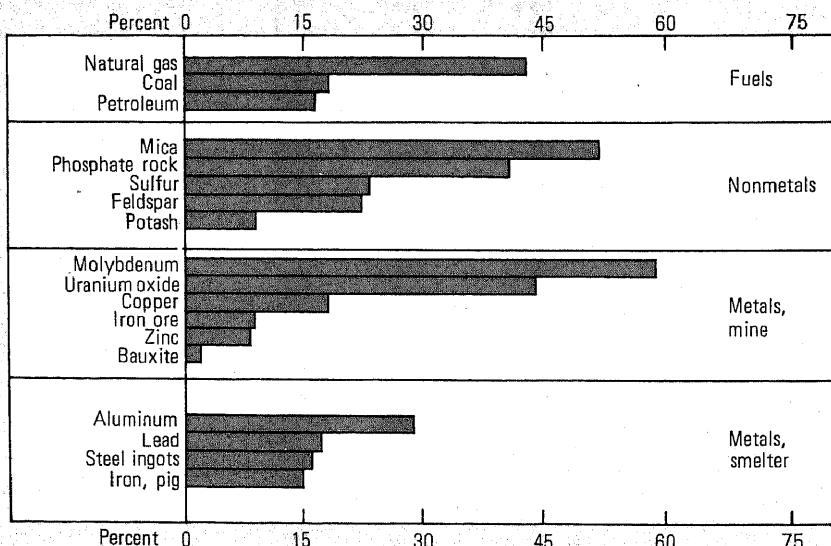
Source: U.S. National Oceanic and Atmospheric Administration, *Fishery Statistics of the United States*, annual.

**Fig. 27-1. MINERAL PRODUCTION — CONSTANT (1967) DOLLAR VALUE: 1960 TO 1975**

(See table 1265)

**Fig. 27-2. U.S. MINERAL PRODUCTION AS PERCENT OF WORLD TOTAL: 1975**

(See table 1273)



Source of Figs. 27-1 and 27-2: Charts prepared by U.S. Bureau of the Census. Data from U.S. Bureau of Mines.

## Section 27

### Mining and Mineral Products

This section presents data relating to mineral industries and their products, general summary measures of production and employment, and more detailed data on production, prices, imports and exports, consumption, and distribution for specific industries and products. Data on mining and mineral products may also be found in sections 29, 32, and 33 of this *Abstract*.

"Mining" comprises the extraction of minerals occurring naturally (coal, ores, crude petroleum, natural gas) and quarrying, well operation, milling, and other preparation customarily done at the mine site or as a part of mining activity.

The principal source of these data is the three-volume *Minerals Yearbook*, published by the Bureau of Mines, Department of the Interior. Another major government source is the census of mineral industries, conducted every 5 years by the Bureau of the Census. Non-government sources include the *Annual Statistical Report* of the American Iron and Steel Institute, Washington, D.C.; *Metals Week* and the monthly *Engineering and Mining Journal*, issued by the McGraw-Hill Publishing Co., New York; *The Iron Age*, issued weekly by the Chilton Co., Philadelphia; and the *Joint Association Survey of the U.S. Oil and Gas Industry*, conducted by the American Petroleum Institute, Independent Petroleum Association of America, and Mid-Continent Oil and Gas Association.

Mineral statistics, with principal emphasis on commodity detail, have been collected by the Geological Survey or by the Bureau of Mines since 1880. Current data in Bureau of Mines publications include quantity and value of minerals produced, sold or used by producers, or shipped; quantity of minerals stocked; crude materials treated and prepared; minerals recovered; and consumption of mineral raw materials. The U.S. Mining Enforcement and Safety Administration also collects and publishes data on man-hours, employment, and accidents and injuries in the mineral industries.

Censuses of mineral industries have been conducted by the Bureau of the Census at various intervals since 1840. Beginning with the 1967 census, legislation provides for a census to be conducted every fifth year for years ending in "2" and "7." The censuses provide, for the various types of mineral establishments, information on operating costs, capital expenditures, labor, equipment, and energy requirements in relation to their value of shipments and other receipts. Commodity statistics on many manufactured mineral products are also collected by the Bureau at monthly, quarterly, or annual intervals and issued in its *Current Industrial Reports* series. Included in this series, beginning in 1973, is the *Annual Survey of Oil and Gas*.

In general, figures shown in the individual commodity tables include data for outlying areas, and may therefore not agree with summary table 1271. Except for crude petroleum, the export and import figures include foreign trade passing through the customs districts of Alaska, Hawaii, and Puerto Rico, but exclude shipments between conterminous United States and outlying areas.

**Historical statistics.**—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix I.

## Mining and Mineral Products

## NO. 1264. NATIONAL INCOME ORIGINATING IN MINING: 1950 TO 1976

[In millions of dollars. 1950 excludes Alaska and Hawaii. Data are without capital consumption adjustment. For definition of national income, see text, p. 425. See *Historical Statistics, Colonial Times to 1970*, series F 228, for single-year figures prior to minor revisions issued in 1976]

TYPE OF MINING	1950	1960	1965	1970	1972	1973	1974	1975	1976
Total mining-----	5,259	5,613	6,013	7,810	8,700	10,149	15,539	17,979	19,384
Metal mining-----	658	807	856	1,179	1,073	1,489	1,596	1,637	1,755
Coal mining-----	2,006	1,286	1,372	2,231	2,493	2,569	5,208	6,352	6,567
Oil and gas extraction-----	2,053	2,606	2,670	3,099	3,563	3,908	6,661	7,762	8,765
Nonmetallic minerals, except fuels-----	542	914	1,115	1,301	1,571	1,883	2,074	2,228	2,297

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-74*, and *Survey of Current Business*, July 1977.

## NO. 1265. VALUE OF MINERAL PRODUCTION, IMPORTS, AND EXPORTS: 1950 TO 1975

[In billions of dollars. Includes Puerto Rico and U.S. outlying areas. For products covered, see table 1270. See also *Historical Statistics, Colonial Times to 1970*, series M 13-14, M 20, M 30, and M 38-53]

ITEM <sup>1</sup>	1950	1955	1960	1965	1970	1971	1972	1973	1974	1975, est.
CURRENT DOLLARS										
Production, total-----	<sup>2</sup> 11.9	15.9	18.0	21.5	29.8	30.7	32.2	36.8	55.1	62.3
Fuels-----	8.7	10.8	12.1	14.0	20.2	21.2	22.1	25.0	40.9	47.6
Metals-----	1.4	2.1	2.0	2.5	3.9	3.4	3.6	4.4	5.6	5.2
Nonmetals-----	1.8	3.1	3.9	4.9	5.7	6.1	6.5	7.4	8.6	9.5
Imports, total-----	(NA)	3.0	3.3	2.6	3.4	3.7	4.5	6.7	19.5	22.7
Fuels-----	(NA)	1.0	1.5	1.3	1.6	2.1	2.9	4.8	16.5	19.9
Metals-----	1.0	1.6	1.5	1.0	1.2	1.0	1.0	1.1	1.8	1.6
Nonmetals-----	.3	.3	.3	.4	.6	.6	.6	.8	1.2	1.2
Exports, total-----	(NA)	1.7	1.9	.8	1.6	1.4	1.5	1.7	3.5	4.7
Fuels-----	(NA)	1.1	.8	.5	1.1	1.0	1.1	1.2	2.7	3.6
Metals-----	.2	.5	.9	.2	.3	.2	.2	.3	.3	.4
Nonmetals-----	.1	.1	.1	.2	.2	.2	.2	.3	.5	.7
CONSTANT (1967) DOLLARS <sup>3</sup>										
Production, total-----	<sup>2</sup> 18.5	17.7	18.7	22.2	26.7	26.1	25.7	27.0	26.1	24.6
Fuels-----	10.0	12.1	12.5	14.5	18.1	17.7	17.1	17.7	17.0	16.6
Metals-----	1.8	2.4	2.3	2.6	3.1	2.7	2.9	3.1	3.0	2.6
Nonmetals-----	1.8	3.3	3.8	5.1	5.5	5.6	5.8	6.2	6.1	5.4

NA. Not available. <sup>1</sup> Through 1965, uranium included with metals; thereafter, with fuels.

<sup>2</sup> Excludes Alaska and Hawaii. <sup>3</sup> Values deflated by the index of implicit unit value.

Source: U.S. Bureau of Mines, *Minerals Yearbook*.

## NO. 1266. BUREAU OF MINES INDEX OF PHYSICAL VOLUME OF MINERAL PRODUCTION: 1950 TO 1975

[1967=100. Excludes Puerto Rico and outlying areas. See also *Historical Statistics, Colonial Times to 1970*, series M 54-67]

MINERAL	1950	1955	1960	1965	1970	1971	1972	1973	1974	1975
Minerals, total-----	65.3	75.4	79.1	93.5	112.1	109.9	112.7	114.1	110.4	103.9
Fuels-----	66.4	74.8	77.5	89.2	111.7	109.7	111.2	109.3	105.4	102.2
Coal-----	103.9	89.3	78.4	93.7	108.3	98.9	105.9	105.1	107.1	114.3
Crude oil and natural gas-----	57.2	72.6	78.3	88.5	112.0	111.3	111.4	109.3	104.1	98.7
Metals-----	105.3	109.8	104.4	114.5	135.8	122.3	127.5	136.8	130.4	117.6
Ferrous-----	106.5	124.0	100.0	109.9	109.3	96.9	98.4	116.0	108.3	96.2
Nonferrous-----	100.1	95.0	108.9	125.6	157.4	143.0	151.1	153.6	148.4	134.9
Base-----	106.8	103.9	104.9	132.7	167.3	151.0	162.8	166.5	159.3	142.7
Monetary-----	145.3	117.8	102.0	115.0	123.9	110.6	102.7	94.5	86.9	86.2
Other-----	59.3	64.7	123.1	89.8	119.5	115.5	112.6	114.8	122.8	119.5
Nonmetals-----	46.1	65.6	76.1	97.6	103.4	105.2	111.0	119.0	117.2	103.6
Construction-----	44.8	67.2	79.6	100.6	103.1	106.2	111.7	120.8	115.2	99.5
Chemical-----	43.6	56.4	62.3	87.8	103.1	101.9	108.7	112.2	121.3	115.5
Other-----	70.2	79.4	81.7	97.2	109.1	105.5	112.2	122.7	128.6	109.5

Source: U.S. Bureau of Mines, *Minerals Yearbook*.

# Production Indexes—Operations—Prices

741

## No. 1267. FEDERAL RESERVE BOARD PRODUCTION INDEXES—MINING AND METALS: 1960 TO 1976

[1967 = 100. See *Historical Statistics, Colonial Times to 1970*, series M 68-71]

ITEM	1960	1965	1970	1971	1972	1973	1974	1975	1976
Mining	80	93	112	110	113	115	115	113	114
Coal	79	94	108	99	106	105	106	113	117
Oil and gas extraction	78	91	112	111	114	114	114	113	112
Metal mining	112	115	132	121	119	130	126	116	123
Stone and earth minerals	75	95	106	105	113	119	122	107	118
Primary metals	72	102	107	100	112	127	123	96	108
Iron and steel	78	105	105	98	107	122	120	96	104
Nonferrous metals	62	95	110	108	121	135	129	98	114

Source: Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, monthly.

## No. 1268. SUMMARY OF MINERAL OPERATIONS: 1939 TO 1972

[See also *Historical Statistics, Colonial Times to 1970*, series M 1-11]

ITEM	1939 <sup>1</sup>	1954	1958	1963	1967	1972
Number of establishments <sup>2</sup>	24,703	38,858	37,958	40,532	29,688	25,269
Employees, total <sup>3</sup>	1,000	856	807	755	637	583
Production and development	1,000	774	668	585	502	448
All other	1,000	82	140	170	135	136
Man-hours, production and development workers <sup>3</sup>	mil. hr.	1,288	1,292	1,120	1,014	922
Principal expenses:						
Wages, production and development workers <sup>3</sup>	mil. dol.	971	2,047	2,702	2,773	2,989
Salaries, all other employees <sup>3</sup>	mil. dol.	204	819	1,133	1,070	1,306
Cost of supplies, etc., and purchased machinery installed	mil. dol.	3 753	6,148	7,585	9,066	10,647
Value added in mining	mil. dol.	2,680	11,752	13,685	16,231	19,621
Value of shipments and receipts: <sup>4</sup>	mil. dol.	(NA)	15,160	18,463	22,030	26,208
Gross	mil. dol.	3,453	14,465	16,729	19,210	22,784
Net	mil. dol.	—	2,728	2,807	3,268	4,062
Capital expenditures	mil. dol.	—	—	—	—	5,036

<sup>1</sup> Represents zero. <sup>2</sup> Not available. <sup>3</sup> Excludes Alaska. <sup>4</sup> Beginning 1967, excludes single unit establishments without paid employees. <sup>5</sup> Excludes purchased machinery installed. <sup>6</sup> Includes estimated value of minerals produced and used in the same establishment in making manufactured products.

Source: U.S. Bureau of the Census, *Census of Mineral Industries, 1963, 1967, and 1972*.

## No. 1269. SELECTED MINERAL PRODUCTS—AVERAGE PRICES: 1951 TO 1976

[Excludes Alaska and Hawaii, except as noted. See *Historical Statistics, Colonial Times to 1970*, series M 96, M 139, M 209, M 248, and M 262, for bituminous coal, crude petroleum, iron ore, lead, and aluminum, respectively]

YEARLY AVERAGE OR YEAR	Iron ore pellets <sup>1</sup>	Copper, electrolytic <sup>2</sup>	Lead (New York) <sup>3</sup>	Tin (New York) <sup>3</sup>	Zinc <sup>4</sup>	Aluminum, delivered <sup>5</sup>	Sulfur, crude (f.o.b. works) <sup>6</sup>	Bituminous coal <sup>6</sup>	Crude petroleum <sup>7</sup>
	<i>Cents per long ton unit, iron</i>	<i>Cents per lb.</i>	<i>Cents per lb.</i>	<i>Cents per lb.</i>	<i>Cents per lb.</i>	<i>Cents per lb.</i>	<i>Dol. per long ton</i>	<i>Dol. per short ton</i>	<i>Dol. per barrel</i>
1951-1955	(NA)	29.277	15.330	106.00	13.610	20.96	20.66	4.75	2.66
1956-1960	(NA)	32.478	13.388	99.26	11.910	25.00	24.29	4.84	2.93
1961-1965	(NA)	32.000	12.247	136.08	12.646	24.04	21.62	4.47	2.88
1966-1970	26.5	44.295	14.568	160.87	14.353	26.20	29.73	5.01	3.00
1960	(NA)	32.453	11.948	101.44	12.946	26.00	23.13	4.69	2.88
1965	25.2	35.417	16.000	178.20	14.500	24.51	22.47	4.44	2.86
1970	26.6	58.200	15.619	174.21	15.319	28.72	23.14	6.26	3.18
1971	28.0	52.000	13.890	167.34	16.130	29.00	17.47	7.07	3.39
1972	28.0	51.200	15.030	177.47	17.750	26.30	17.03	7.66	3.39
1973	29.4	59.490	16.285	227.56	20.658	25.30	17.84	8.53	3.89
1974	40.6	77.274	22.533	396.27	35.945	34.10	28.88	15.75	6.74
1975	47.2	64.160	21.529	339.82	38.959	39.80	45.63	19.24	7.67
1976, prel.	53.1	69.700	23.100	378.00	37.000	44.70	45.75	20.00	8.11

NA. Not available. <sup>1</sup> Lower Great Lakes ports. Price as of end of year per long ton unit of contained iron, natural, delivered rail or vessel. Lake Superior ore. <sup>2</sup> Domestic market. <sup>3</sup> Straits tin. <sup>4</sup> Prime western, Beginning 1971, delivered price. <sup>5</sup> Prices 1951-1955, for 99+ percent virgin ingot aluminum; beginning 1956, for 99+ percent unalloyed ingot. <sup>6</sup> Average value at mine. Includes Alaska.

<sup>7</sup> Average value at well. Beginning 1958, includes Alaska, and 1959, Hawaii.

Source: 1951-1974 compiled from *Metals Week* (copyright); *Wholesale Prices and Price Indexes* (U.S. Bureau of Labor Statistics); *Minerals Yearbook* and *Commodity Data Summaries* (U.S. Bureau of Mines); thereafter, *Minerals Yearbook*.

## Mining and Mineral Products

## No. 1270. MINERAL INDUSTRIES—

[Excludes establishments for which both value of shipments and expenditures amounted to less than \$500.  
Times to 1970.]

MINERAL INDUSTRY	1963 <sup>1</sup>			1967		
	Establishments	Pay-roll <sup>2</sup>	Value added in mining <sup>3</sup>	Establishments	All employees	
					Number <sup>4</sup>	Pay-roll <sup>2</sup>
	Mil. dol.	Mil. dol.	Mil. dol.		1,000	Mil. dol.
1 All industries.....	38,651	3,742	15,920	28,579	567	4,187
2 Metal mining.....	1,614	515	1,418	1,155	71	552
3 Iron ores.....	208	162	549	146	28	186
4 Copper ores.....	160	187	417	156	21	171
5 Lead and zinc ores.....	205	49	84	187	9	61
6 Gold and silver ores.....	466	25	49	183	4	26
7 Gold ores and placers.....	359	16	27	125	2	17
8 Silver ores.....	107	9	22	58	1	8
9 Bauxite.....	17	3	18	17	1	4
10 Ferroalloy ores, except vanadium.....	58	20	66	43	4	32
11 Metal mining services.....	83	14	25	148	3	19
12 Miscellaneous metal ores.....	417	54	210	295	7	54
13 Uranium-radium-vanadium ores.....	335	45	191	188	5	41
14 Mercury ores and misc. metal ores.....	82	9	19	107	2	13
15 Anthracite mining.....	1,069	59	121	403	7	41
16 Anthracite.....	1,026	53	111	371	6	37
17 Anthracite mining services.....	43	6	10	32	1	5
18 Bituminous coal and lignite mining.....	6,305	762	1,607	4,081	124	926
19 Bituminous coal and lignite.....	6,174	755	1,590	3,966	123	916
20 Coal mining services, n.e.c.....	131	7	17	115	1	10
21 Oil and gas extraction.....	21,242	1,745	11,020	16,358	245	1,855
22 Crude petroleum and natural gas.....	14,378	1,016	9,016	8,796	126	1,049
23 Natural gas liquids.....	652	97	762	684	12	100
24 Oil and gas field services.....	6,212	632	1,241	6,878	106	707
25 Drilling oil and gas wells.....	2,836	318	653	2,347	43	295
26 Oil and gas exploration services.....	373	48	90	686	8	53
27 Oil and gas field services, n.e.c.....	3,003	266	498	3,895	55	359
28 Nonmetallic minerals mining.....	8,421	661	1,755	6,582	120	812
29 Dimension stone <sup>a</sup> .....	319	8	15	244	2	9
30 Crushed and broken stone <sup>a</sup> .....	2,256	229	582	2,033	43	281
31 Sand and gravel <sup>a</sup> .....	4,616	212	514	3,232	35	229
32 Clay and related minerals <sup>a</sup> .....	423	42	114	350	9	58
33 Chemical and fertilizer minerals.....	235	137	443	233	24	188
34 Barite.....	54	7	11	30	1	5
35 Fluorspar.....	30	4	9	32	1	5
36 Potash, soda, and borate minerals.....	23	52	156	33	8	68
37 Phosphate rock.....	66	32	105	69	8	60
38 Rock salt.....	25	16	50	26	3	19
39 Sulfur.....	17	21	100	31	3	31
40 Chemical and fertilizer mining, n.e.c.....	20	6	12	12	(Z)	2
41 Nonmetallic minerals, services.....	119	5	9	106	1	6
42 Miscellaneous nonmetallic minerals <sup>a</sup> .....	453	28	78	378	7	41

<sup>-</sup> Represents zero. <sup>Z</sup> Less than 500 or 500,000.

<sup>1</sup> Includes single-unit establishments without paid employees.

<sup>2</sup> Gross earnings paid to all employees on payroll.

<sup>3</sup> Computed by subtracting cost of supplies, minerals received for preparation, purchased fuel and electric energy, contract work, and purchased machinery from the value of shipments and capital expenditures.

<sup>4</sup> Excludes proprietors and firm members of unincorporated concerns.

<sup>5</sup> Represents employees up through the working foreman level engaged in manual work. Includes development and exploration workers.

# Mineral Industries

743

## SUMMARY: 1963, 1967, AND 1972

"N.e.c." means not elsewhere classified. Minus sign (-) denotes decrease. See also *Historical Statistics, Colonial series M 1-12*

Establishments	All employees		Production workers <sup>5</sup>			Value added in mining <sup>3</sup>	Value of shipments and receipts	Capital expenditures	Percent change, 1967-1972				
	Number <sup>4</sup>	Pay-roll <sup>2</sup>	Number	Man-hours <sup>6</sup>	Wages				Employees	Value added			
									1,000	Mil. dol.			
25,269	595	6,226	443	909	4,250	26,471	36,319	5,036	5	37			
1,014	81	853	63	127	622	2,382	3,515	402	14	53			
111	20	218	15	30	156	702	1,065	60	-13	3			
181	36	387	28	56	279	1,025	1,589	209	71	135			
101	8	72	6	12	55	200	251	26	-15	5			
132	3	30	2	5	23	61	75	5	-24	6			
81	2	20	2	3	15	47	56	4	-31	7			
51	1	10	1	2	7	14	19	2	-17	-15			
10	1	4	(Z)	1	3	24	28	4	-17	7			
44	4	40	3	5	29	137	164	36	-5	86			
172	3	31	2	5	26	54	72	4	8	61			
263	7	71	6	12	52	180	272	57	-3	3			
144	6	58	5	10	43	149	227	43	9	5			
119	1	13	1	2	9	31	45	15	-35	-6			
230	5	35	4	8	30	68	130	7	-37	-17			
213	4	32	3	7	27	63	123	6	-37	-16			
17	1	3	(Z)	1	3	6	7	1	-37	-26			
3,365	155	1,742	133	261	1,437	3,685	5,395	697	25	83			
3,191	152	1,714	130	257	1,412	3,626	5,313	688	24	82			
174	3	20	3	5	24	60	82	9	107	175			
14,498	241	2,525	154	319	1,393	17,612	23,627	3,456	-2	31			
7,609	117	1,375	52	102	499	14,422	15,688	2,954	-8	32			
680	11	117	9	18	98	1,019	5,058	106	-14	13			
6,209	113	1,033	93	199	799	2,172	2,881	395	7	43			
1,907	45	422	40	84	361	881	1,244	225	5	40			
715	10	89	8	18	65	212	254	30	17	67			
3,587	58	522	46	96	373	1,079	1,883	141	6	40			
6,162	114	1,070	89	195	769	2,723	3,652	475	-5	19			
198	2	13	2	3	11	26	31	2	5	44			
1,937	42	388	34	76	291	982	1,319	186	-3	39			
2,929	34	322	27	57	233	776	1,004	138	-2	42			
309	9	78	7	16	57	198	293	30	-3	28			
204	20	203	14	29	127	583	784	89	-16	-21			
27	1	5	1	1	5	20	22	2	-11	28			
38	1	8	1	2	6	16	29	3	14	48			
31	7	77	5	10	49	211	262	59	-13	12			
47	6	53	4	9	33	154	251	16	-27	37			
30	3	26	2	4	18	74	87	7	4	5			
24	3	32	1	3	15	104	128	2	-19	-59			
7	(Z)	1	(Z)	(Z)	1	4	6	1	-33	6			
126	1	11	1	2	9	20	29	2	25	82			
459	7	55	5	11	41	138	190	28	-	24			

<sup>6</sup> Excludes paid vacations, holidays, and sick leave; includes actual overtime hours (not straight-time equivalent).

<sup>7</sup> Represents value of shipments of primary and secondary products of the industry and amount received for services performed for other establishments on a contract, fee, or other basis.

<sup>8</sup> Excludes data for dimension stone quarries operated in conjunction with dressing plants.

<sup>9</sup> Excludes data for mining included in establishments classified in manufacturing industries.

Source: U.S. Bureau of the Census, *Census of Mineral Industries: 1963, 1967, and 1972*, final industry series reports.

## No. 1271. MINERAL PRODUCTION, 1965 TO 1975, AND PRINCIPAL PRODUCING STATES, 1975

Data represent production as measured by mine shipments, mine sales or marketable production (including consumption by producers). See *Historical Statistics, Colonial Times to 1970*, series M 13-37, for selected values.

MINERAL	PRODUCTION QUANTITY							PRODUCTION VALUE (mil. dol.)				Principal producing States ranked by quantity, 1975 (X)
	Unit	1965	1970	1973	1974	1975	1965	1970	1973	1974	1975	
<b>Total mineral production</b>	(X)	(X)	(X)	(X)	(X)	(X)	21,524.0	29,791.0	36,787.0	35,131.0	62,275.0	(X)
Mineral fuels							14,047.0	20,152.0	25,012.0	40,937.0	47,561.0	
Asphalt and related bitumens (native) <sup>1</sup>	1,000 sh. tons	1,912	1,881	2,089	2,021	1,902	9.5	8.9	8.5	16.7	19.8	Tex., Utah, Ala., Mo., N. Mex., Colo., Calif., Utah.
mill. cu. ft.	1,174	1,110	1,135	966	1,070	966	2.7	2.7	2.7	5,050.2	9,502.3	Ky., W. Va., Pa., Ill.
Carbon dioxide, natural (est.)	1,000 sh. tons	612	603	692	603	648	2,278.0	3,772.7	5,050.7	12,472.5	14,447.7	P.A.
Coal: Bituminous and lignite	1,000 sh. tons	115	10	205	7	6	122.0	105.3	90.3	48.6	20.3	Kans., Okla., Tex., Ariz.
Pennsylvania anthracite	1,000 cu. ft.	4,386	4,600	3,205	883	1,079	68.7	64.2	48.6	23.9	8,945.1	Tex., La., Okla., N. Mex.
Helium <sup>2</sup>	1,000 cu. ft.	16,040	21,921	22,637	21,601	20,100	2,494.5	3,745.7	4,894.1	5,575.4	8,945.1	
Natural gas	bill. cu. ft.											
Natural gas liquids:	mill. bbl. <sup>3</sup>											
Nature gasoline and cycle products	mill. bbl. <sup>4</sup>	174	206	187	168	152	494.4	633.0	668.8	1,107.2	878.7	
LPG-gases	mill. bbl. <sup>4</sup>	288	400	447	438	444	417.2	672.1	1,188.3	1,980.8	1,893.9	Tex., La., Okla., N. Mex.
Peat	1,000 sh. tons	604	526	621	706	746	6.1	6.0	7.5	11.0	12.3	Mich., Ill., Fla., Ind.
Petroleum (crude) <sup>5</sup>	1,000 sh. tons	2,849	3,517	3,361	3,203	3,057	8,158.3	11,173.7	13,057.9	21,580.5	23,116.1	Tex., La., Calif., Okla.
Nonmetallic minerals												
Abrasives stone <sup>6</sup>	sh. tons	(X)	(X)	(X)	(X)	(X)	4,933.0	5,712.0	7,413.0	8,642.0	9,518.0	
Asbestos	1,000 sh. tons	3,633	3,055	3,466	3,154	2,953	10.4	10.6	7	7	1.1	Calif., Vt., Ariz., N. C.
Bartite	1,000 sh. tons	118	125	150	168	99	1.0	1.0	1.0	1.0	1.0	Nev., Mo., Ark., Ga.
Boron minerals	1,000 sh. tons	832	854	1,034	1,108	1,287	10.2	12.8	16.7	16.8	20.7	Calif., Mich., Iowa, N. C.
Bromine	1,000 sh. tons	807	1,041	1,225	1,186	1,172	64.2	88.8	113.6	128.3	138.8	Ariz., Mich., Calif.
Clays	mill. sh. tons	307	350	418	432	407	77.3	60.6	67.1	117.7	113.1	Ariz., Mich., Calif.
Cement: Portland-Masonry	sh. tons	(D)	633	609	739	594	(D)	15.2	17.6	24.6	23.0	23.0
Garnet (abrasive)	1,000 sh. tons	69.0	71.6	82.7	65.2	1,145.4	1,288.7	1,810.3	1,982.7	2,015.6	Calif., Tex., Pa., Mich.	
Chrysotile	1,000 sh. tons	3.3	3.0	4.7	3.4	2.9	0.6	0.6	0.6	1.111.8	1,111.8	Pa., Ind., Ala., Mich.
Emery	1,000 sh. tons	55.1	54.9	64.4	60.8	49.0	204.0	207.9	354.5	422.5	422.6	Calif., Tex., Ohio, N. C.
Feldspar	1,000 sh. tons	10.7	(D)	2.9	(D)	3.5	.2	.2	32.6	50.7	46.8	Calif., Nev., Wash.
Fluorspar	1,000 sh. tons	690	726	792	854	685	6.3	9.6	12.8	96.7	96.7	N. C., Conn., Calif., Ga.
Garnet (abrasive)	1,000 sh. tons	240	269	249	201	140	10.9	13.9	17.4	14.5	11.9	Ariz., Nev., Oreg., Mont.
Garnets (estimate)	1,000 sh. tons	19.3	18.3	22.8	24.7	17.2	1.7	1.9	2.4	2.6	1.7	Idaho, N. Y.
Gypsum	mill. sh. tons	(X)	(N.A.)	(N.A.)	(N.A.)	(N.A.)	2.2	2.4	2.7	4.6	3.9	
Lime	mill. sh. tons	16.8	19.7	21.1	21.6	19.1	37.4	35.1	36.7	44.7	44.7	Calif., Mich., Iowa, Tex.
Magnesium compounds <sup>7</sup>	1,000 sh. tons	638	708	854	908	(D)	47.2	62.4	77.7	523.8	523.8	Ohio, Pa., Tex., N. C.
Mica: Scrap	1,000 sh. tons	120	119	177	135	135	3.5	2.5	6.1	(b)	(b)	
Sheet	1,000 sh. tons	716	30	15.0	5.0	5.0	.2	.2	.2	5.5	5.5	
Perlite	1,000 lb. tons	362	456	544	555	512	3.4	4.5	5.6	(Z)	(Z)	
Phosphate rock	1,000 sh. tons	29.5	38.7	42.1	45.7	48.8	138.3	203.2	238.7	7.3	7.3	N. Mex., Ariz., Calif., Colo.
Pumice	1,000 sh. tons	3,140	2,729	2,603	2,532	2,501	120.8	98.1	112.6	1,122.6	1,122.6	Fia., Idaho, Tenn., N. C.
Pyrilles	1,000 kg. tons	3,371	3,036	3,387	3,982	3,892	6.6	4.7	5.0	11.2	11.2	N. Mex., Utah, Calif., N. C.
		875	(D)	559	(D)	625	5.3	5.3	5.0	4.2	4.8	Oreg., Ariz., N. Mex., Nev., Tenn., Colo., Ariz.

Salt (common).....	34.7	45.9	43.9	46.5	41.0	215.7	304.8	306.1	360.8	368.1
Sand and gravel.....	908	944	934	905	789	957.4	1,115.7	1,359.4	1,421.2	1,416.3
Sodium carbonate (natural).....	2,688	3,722	4,059	4,328	34.7	56.3	94.4	137.5	182.6	182.6
Sodium sulfate (natural).....	620	602	672	684	667	11.0	10.9	11.6	16.4	27.7
Stone & sand.....	780	875	1,060	1,044	903	1,293.8	1,474.9	1,990.5	2,386.2	2,123.0
Sulfur: Fresh-process mines.....	1,000	1,016	1,040	1,044	903	1,293.8	1,474.9	1,990.5	2,386.2	2,123.0
Other mines.....	6,419	7,438	7,898	6,077	16.7	151.8	138.6	241.1	304.8	304.8
Talc, soapstone, pyrophyllite.....	863	1,028	1,247	1,289	928	6.3	7.8	9.1	9.6	8.3
Tripoli.....	71	68	102	85	81	.4	.5	.9	.6	.6
Vermiculite.....	249	285	365	341	330	4.5	6.5	9.5	10.1	13.8
Nonmetallic minerals, undistributed <sup>9</sup> .....	1,000	1,000	1,000	1,000	1,000	66.0	34.4	28.9	34.1	157.2
Metals.....	(X)	(X)	(X)	(X)	(X)	(I)	(II)	(III)	(IV)	(V)
Antimony ore and concentrate.....	sh. tons <sup>10</sup>	2,544.0	3,928.0	4,362.0	5,552.0	5,196.0				
Bauxite.....	1,000	1,000	1,000	1,000	1,000	1,130	861	886	1,210	1,210
Copper <sup>11</sup> .....	1,000	1,000	1,000	1,000	1,000	1,720	1,718	1,597	1,984	1,984
Gold <sup>12</sup> .....	1,000	1,000	1,000	1,000	1,000	1,705	1,743	1,127	1,052	1,052
Iron ore, usable <sup>13</sup> .....	1,000	1,000	1,000	1,000	1,000	90.7	85.0	59.7	59.7	59.7
Lead <sup>13</sup> .....	1,000	1,000	1,000	1,000	1,000	572	603	621	94.0	94.0
Manganese ore.....	1,000	1,000	1,000	1,000	1,000	33.3	4.7	2	273	159
Manganiferous ore <sup>14</sup> .....	1,000	1,000	1,000	1,000	1,000	33.8	203	11.2	(II)	(II)
Molybdenum <sup>15</sup> .....	76	102	102	27	246	2,171	2,189	7,386	11.1	2.3
Nickel <sup>16</sup> .....	1,000	1,000	1,000	1,000	1,000	110	135	118	105	105
Silver <sup>17</sup> .....	1,000	1,000	1,000	1,000	1,000	15.9	18.3	16.6	17.0	17.0
Uranium <sup>18</sup> .....	1,000	1,000	1,000	1,000	1,000	45.0	37.8	33.8	34.9	51.5
Tin content of concentrate.....	1g. tons	47	(D)	139	(D)	139	(D)	(II)	(II)	(II)
Titanium concentrate: Ilmenite <sup>19</sup> .....	1,000	949	921	804	755	702	18.1	18.6	20.1	22.7
Tungsten ore and concentrate.....	1,000	1,000	1,000	1,000	1,000	24.7	24.7	24.7	24.7	24.7
Uranium <sup>19</sup> .....	1,000	7,566	9,312	7,059	7,836	5,490	13.0	23.8	19.2	37.4
Zirconia <sup>20</sup> .....	1,000	7,566	9,312	7,059	7,836	5,490	13.0	23.8	19.2	37.4
Zinc <sup>21</sup> .....	1,000	5,116	5,116	5,116	5,116	24.7	22.9	149.5	167.7	243.9
Metals, undistributed <sup>9</sup> .....	(X)	(X)	(X)	(X)	(X)	4,377	4,743	18.3	34.9	38.3
						5,226	5,500	469	178.3	358.9
						5,334	5,611	44.3	163.7	366.1
						(X)	(X)	(X)	58.4	127.5

D Withheld to avoid disclosing individual company data.

N.A. Not applicable. Z Less than \$50,000. <sup>1</sup> Contains bituminous limestone and sandstone and gilsonite. <sup>2</sup> Includes eucalcareous marl and sandstone, and ground soapstone, all included elsewhere in table. Includes eucalcareous marl and slate.

<sup>3</sup> Not applicable. <sup>4</sup> Grinding stones, millstones, and tube-mill liners. <sup>5</sup> Value included in "Nonmetallic minerals, undistributed." <sup>6</sup> From sea water and brines except for metals (MgO equiv.). <sup>7</sup> K<sub>2</sub>O equivalent.

<sup>8</sup> Excludes abrasive stone, bituminous limestone and sandstone, and ground soapstone, all included elsewhere in table. Includes eucalcareous marl and slate.

<sup>9</sup> Comprises value of items that cannot be disclosed.

<sup>10</sup> Antimony content. <sup>11</sup> Incited with Metals, undistributed. <sup>12</sup> Dried equivalent content of ores, etc. <sup>13</sup> Recoverable content or more Mn. <sup>14</sup> Excluding byproduct iron shiner. <sup>15</sup> Gross weight. <sup>16</sup> 35 percent or more Mn. <sup>17</sup> 5 to 35 percent Mn. <sup>18</sup> Content of concentrate.

<sup>19</sup> Content of ore and concentrate. <sup>20</sup> Tungsten content.

Source: U.S. Bureau of Mines, *Minerals Yearbook*.

## Mining and Mineral Products

**NO. 1272. MINERAL PRODUCTION—VALUE, 1965 TO 1975, AND RANK AND PRINCIPAL MINERALS IN ORDER OF VALUE, 1975, BY STATES**  
 [In millions of dollars]

STATE	1965	1970	1973	1974	1975		
					Value	Rank	Principal minerals in order of value
							Petroleum, coal, natural gas, natural gas liquids
U.S.	21,524	29,791	36,787	55,131	62,275	(X)	
N.E.							
Maine	113	143	178	187	181	(X)	
	18	24	33	36	37	45	Cement, sand and gravel, zinc, stone.
N.H.	8	9	14	14	17	48	Sand and gravel, stone, clays, gemstones.
Vt.	27	28	29	34	29	47	Stone, asbestos, sand and gravel, talc.
Mass.	36	50	60	62	59	43	Stone, sand and gravel, lime, clays.
R.I.	3	4	4	6	6	49	Sand and gravel, stone, gemstones.
Conn.	21	28	37	35	33	46	Stone, sand and gravel, feldspar, lime.
M.A.	1,284	1,485	1,892	2,956	3,429	(X)	
N.Y.	290	300	376	441	308	28	Cement, stone, zinc, salt.
N.J.	80	89	114	141	124	38	Stone, sand & gravel, zinc, titanium concentrate.
Fa.	914	1,096	1,402	2,374	2,908	5	Coal, cement, stone, lime.
E.N.C.	1,915	2,316	2,887	3,846	4,812	(X)	
Ohio	464	612	807	1,108	1,356	12	Coal, petroleum, stone, lime.
Ind.	219	256	351	441	542	23	Coal, cement, stone, petroleum.
Ill.	593	689	826	1,143	1,491	11	Coal, petroleum, stone, sand and gravel.
Mich.	566	671	789	1,035	1,292	13	Iron ore, petroleum, cement, copper.
Wis.	73	88	114	115	132	37	Sand and gravel, stone, iron ore, cement.
W.N.C.	1,629	1,962	2,444	3,144	3,401	(X)	
Minn.	508	633	853	1,026	1,097	16	Iron ore, sand and gravel, stone, cement.
Iowa	113	121	159	177	196	33	Cement, stone, sand and gravel, coal.
Mo.	226	393	513	691	723	21	Lead, cement, stone, iron ore.
N. Dak.	94	96	112	159	202	32	Petroleum, coal, sand and gravel, natural gas liquids.
S. Dak.	51	62	81	103	102	42	Gold, cement, stone, sand and gravel.
Nebr.	84	73	81	99	112	40	Petroleum, cement, sand and gravel, stone.
Kans.	553	584	646	889	971	17	Petroleum, natural gas, natural gas liquids, cement.
S.A.	1,693	2,406	3,326	5,304	7,199	(X)	
Del.	2	2	4	4	2	50	Sand and gravel, magnesium compounds, clays, gem stones.
Md.	78	88	132	173	165	34	Coal, stone, cement, sand and gravel.
Va.	268	374	545	1,057	1,265	15	Coal, stone, cement, sand and gravel.
W.Va.	860	1,285	1,503	2,403	3,390	3	Coal, natural gas, petroleum, natural gas liquids.
N.C.	60	98	147	156	153	36	Stone, phosphate rock, lithium minerals, sand and gravel.
S.C.	41	56	88	105	115	39	Cement, stone, sand and gravel, clays.
Ga.	135	203	305	363	333	29	Clays, stone, cement, sand and gravel.
Fla.	249	300	601	1,044	1,776	9	Phosphate rock, petroleum, stone, cement.
E.S.C.	1,105	1,640	2,135	4,115	4,543	(X)	
Ky.	466	847	1,165	2,563	2,739	6	Coal, petroleum, stone, natural gas.
Tenn.	183	220	276	396	425	26	Coal, stone, zinc, cement.
Ala.	246	323	413	765	969	18	Coal, petroleum, cement, stone.
Miss.	210	250	282	391	410	27	Petroleum, natural gas, sand & gravel, cement.
W.S.C.	8,795	12,868	15,859	24,387	26,747	(X)	
Ark.	179	226	274	406	436	25	Petroleum, bromine, natural gas, stone.
La.	2,988	5,102	5,820	8,147	8,513	2	Petroleum, natural gas, natural gas liquids, sulfur.
Okla.	909	1,138	1,324	2,123	2,267	7	Petroleum, natural gas, natural gas liquids, coal.
Tex.	4,719	6,402	8,442	13,711	15,530	1	Petroleum, natural gas, natural gas liquids, cement.
Mt.	3,117	4,545	5,470	7,685	8,017	(X)	
Mont.	228	313	385	575	573	22	Petroleum, copper, coal, cement.
Idaho	105	120	136	209	234	31	Phosphate rock, silver, zinc, lead.
Wyo.	515	706	929	1,437	1,644	10	Petroleum, sodium compounds, coal, natural gas.
Colo.	340	390	532	750	961	20	Petroleum, molybdenum, coal, cement.
N. Mex.	807	1,060	1,307	1,942	2,092	8	Petroleum, natural gas, copper, potassium salts.
Ariz.	533	1,167	1,305	1,562	1,288	14	Copper, molybdenum, cement, sand & gravel.
Utah	439	603	675	952	966	19	Copper, molybdenum, cement, sand & gravel.
Nev.	100	186	202	258	258	30	Petroleum, copper, coal, gold.
Pac.	1,873	2,426	2,602	3,506	3,948	(X)	
Wash.	88	91	115	144	3,159	35	Cement, coal, sand and gravel, stone.
Oreg.	83	68	82	104	106	41	Stone, sand and gravel, cement, nickel.
Calif.	1,597	1,900	2,042	2,797	163	4	Petroleum, cement, natural gas, sand & gravel.
Alaska	84	338	329	419	481	24	Petroleum, natural gas, stone, sand and gravel.
Hawaii	21	29	35	42	50	44	Stone, cement, sand and gravel, pumice.

X Not applicable.

Source: U.S. Bureau of Mines, *Minerals Yearbook*.

## No. 1273. PRINCIPAL FUELS, NONMETALS, AND METALS—U.S. PRODUCTION AS PERCENT OF WORLD PRODUCTION: 1960 TO 1975

MINERAL	WORLD PRODUCTION						PERCENT U.S. OF WORLD				
	Unit	1960	1965	1970	1974	1975, prel.	1960	1965	1970	1974	1975, prel.
<b>Fuels:</b>											
Coal	bil. sh. tons	2.9	3.1	3.3	3.5	3.6	15	17	18	18	18
Petroleum (crude)	bil. bbl.	7.7	11.1	16.7	20.5	19.5	34	26	21	16	16
Natural gas (marketable)	tril. cu. ft.	(NA)	(NA)	37.9	47.2	47.2	(NA)	(NA)	58	46	43
<b>Nonmetals:</b>											
Asbestos	1,000 sh. tons	2,440	3,140	3,851	4,589	4,509	2	4	3	2	2
Barite	1,000 sh. tons	3,100	3,860	4,338	4,944	5,296	25	22	20	22	24
Feldspar	1,000 sh. tons	1,646	2,162	2,788	3,310	3,041	34	32	26	28	22
Fluorspar	1,000 sh. tons	2,190	3,110	4,620	5,337	6,106	11	8	4	4	3
Gypsum	mil. sh. tons	43.2	53.0	56.9	64.6	60.3	23	19	17	19	16
Mica (incl. scrap)	1,000 sh. tons	183	218	180	208	208	54	55	66	53	52
Nitrogen, agricultural	mil. sh. tons	10.8	18.5	33.4	44.6	46.5	26	27	25	23	20
Phosphate rock	mil. sh. tons	45.8	70.3	93.6	122.1	118.6	43	34	41	37	41
Potash ( $K_2O$ equiv.)	mil. sh. tons	10.0	15.1	20.0	26.4	27.4	26	21	14	10	9
Sulphur, elemental	mil. lg. tons	10.3	13.5	22.2	49.4	49.2	56	48	39	23	23
<b>Metals, mine basis:</b>											
Bauxite	mil. lg. tons	27.2	36.8	56.0	76.8	73.9	7	4	4	3	2
Copper <sup>1</sup>	1,000 sh. tons	4,640	5,590	6,638	8,063	7,679	23	24	26	20	18
Gold	mil. troy oz.	37.8	46.2	47.5	39.9	38.6	4	4	4	3	3
Iron ore	mil. lg. tons	514	611	754	899	878	17	14	12	9	10
Lead <sup>2</sup>	1,000 sh. tons	2,610	2,990	3,742	3,832	3,790	9	10	15	17	16
Mercury	1,000 flasks	242	276	284	261	251	14	7	10	1	3
Molybdenum <sup>2</sup>	mil. lb.	90	115	181	189	179	76	67	61	59	59
Nickel <sup>2</sup>	1,000 sh. tons	353	468	692	871	900	4	3	2	2	2
Silver	mil. troy oz.	240	257	301	295	294	15	16	15	11	12
Titanium concentrates:											
Ilmenite <sup>4</sup>	1,000 sh. tons	2,205	2,723	3,962	3,099	2,854	36	36	23	24	25
Tungsten	mil. lb.	68.7	59.8	71.4	81.5	82.6	11	13	13	9	7
Uranium oxide ( $U_3O_8$ ) <sup>4</sup>	1,000 sh. tons	41	21	24	25	26	44	49	53	47	44
Vanadium <sup>2</sup>	1,000 sh. tons	7.1	9.1	20.2	21.1	23.8	70	58	26	23	20
Zinc <sup>2</sup>	1,000 sh. tons	3,500	4,695	6,023	6,281	6,131	12	13	9	8	8
<b>Metals, smelter basis:</b>											
Aluminum	mil. sh. tons	5.0	7.0	10.6	14.5	13.3	40	37	37	34	29
Cadmium	mil. lb.	22.1	26.1	36.5	38.1	33.8	46	27	26	18	13
Copper	1,000 sh. tons	5,040	6,105	6,752	8,111	7,780	25	24	24	19	19
Iron, pig (incl. ferroalloys)	mil. sh. tons	285	369	474	565	526	24	25	19	17	15
Lead	1,000 sh. tons	2,550	2,911	3,628	3,858	3,714	15	14	18	17	17
Magnesium	1,000 sh. tons	103	178	242	145	142	39	46	46	(NA)	(NA)
Steel ingots and castings	mil. sh. tons	381	507	655	780	713	26	26	20	19	16
Tin	1,000 lg. tons	192	197	223	228	226	7	2	(NA)	3	3
Zinc	1,000 sh. tons	3,335	4,353	5,321	6,022	5,557	24	23	16	9	9

NA Not available. <sup>1</sup> For years ending June 30. U.S. production includes Puerto Rico.<sup>2</sup> Content of ore and concentrate. <sup>3</sup> 76-lb. flasks. <sup>4</sup> Excludes U.S.S.R.Source: U.S. Bureau of Mines, *Minerals Yearbook*.

## No. 1274. FEDERAL STRATEGIC AND CRITICAL MATERIALS INVENTORY: 1965 TO 1976

**In millions of dollars.** As of Dec. 31. Covers strategic and critical materials essential to military and industrial requirements in time of national emergency. Market values are estimated current trade values of similar materials and not necessarily amount that would be realized at time of sale.

INVENTORY	ACQUISITION COST					MARKET VALUE				
	1965	1970	1974	1975	1976	1965	1970	1974	1975	1976
<b>Total in storage</b>	8,033	6,373	4,136	3,960	3,852	7,804	7,105	8,037	7,433	8,160
Within stockpile objectives	3,328	3,602	528	525	(NA)	3,667	4,386	1,190	1,112	(NA)
Excess to stockpile objectives	4,705	2,771	3,608	3,436	(NA)	4,138	2,719	6,847	6,320	(NA)
National stockpile	5,285	4,248	2,661	2,555	2,479	5,642	5,081	5,742	5,259	6,014
Supplemental stockpile	1,403	1,420	1,130	1,095	1,076	1,317	1,587	2,080	1,948	1,900
Defense Production Act	1,341	705	346	310	(X)	841	437	215	226	248
Commodity Credit Corporation	4	(Z)	(X)	(X)	(X)	4	(Z)	(X)	(X)	(X)

NA Not available. X Not applicable. Z Less than \$500,000.

Source: U.S. General Services Administration, *Statistical Supplement, Stockpile Report to the Congress (O P-4)*.

## NO. 1275. SELECTED MINERAL INDUSTRIES—EMPLOYMENT: 1950 TO 1975

(Prior to 1972, excludes Alaska and Hawaii, except as noted. Beginning 1972, no estimates of persons or man-hours were made to cover nonrespondent establishments and, beginning 1973, data for all industries except coal mines include office workers. See also *Historical Statistics, Colonial Times to 1970*, series M 287-306)

INDUSTRY	1950	1955	1960	1965	1970	1972	1973	1974	1975
<b>PERSONS WORKING DAILY<sup>1</sup> (1,000)</b>									
Coal mines	2,483	2,260	2,190	2,149	2,144	162	147	177	218
Metal mines	2,68	2,65	2,61	2,51	2,46	40	56	59	61
Nonmetal mines <sup>2</sup>	2,12	2,15	2,19	2,17	2,15	4,12	4,20	4,22	4,25
Sand and gravel operations	(NA)	(NA)	52	54	51	31	39	47	50
Stone quarries <sup>3</sup>	86	78	95	90	82	64	81	88	86
Metal mills	15	18	23	19	22	18	27	30	33
Nonmetal mills	(NA)	9	40	31	27	4,20	23	25	24
<b>MAN-HOURS WORKED (mil.)</b>									
Coal mines	2,711	2,419	2,282	2,249	2,260	268	278	297	368
Metal mines	2,148	2,137	2,120	2,112	2,108	95	108	115	113
Nonmetal mines <sup>4</sup>	2,28	2,31	2,37	2,38	2,32	4,25	4,35	4,38	4,43
Sand and gravel operations	(NA)	(NA)	96	100	95	57	58	62	65
Stone quarries <sup>5</sup>	190	176	202	194	184	144	145	152	146
Metal mills	35	40	54	49	57	45	52	55	59
Nonmetal mills	(NA)	20	86	71	62	4,47	44	47	46

NA. Not available. <sup>1</sup> Average number of persons at work each day mines were active. <sup>2</sup> Includes Alaska.

<sup>3</sup> Includes clay mines. Beginning 1960, includes Hawaii. <sup>4</sup> Excludes extraction of Frasch process sulfur.

<sup>5</sup> Includes manufacture of cement and lime, except, beginning 1972, excludes cement manufacturing. Beginning 1960, includes Alaska and Hawaii.

Source: 1950-1970, U.S. Bureau of Mines, *Minerals Yearbook*, and unpublished data; 1972-1975, U.S. Mining Enforcement and Safety Administration, Denver, Colorado, unpublished data.

## NO. 1276. MINERAL INDUSTRIES—INJURIES AND FATALITIES: 1950 TO 1975

(Prior to 1972, data for coal mining and metal and nonmetal mining exclude Hawaii, except as noted. Excludes data on iron smelting and steel industries. See also *Historical Statistics, Colonial Times to 1970*, series M 271-286)

ITEM	1950	1955	1960	1965	1970	1972	1973	1974	1975
<b>Coal mining:</b>									
Injuries, total	37,907	19,305	12,227	11,397	11,812	12,485	11,352	8,678	11,262
Fatal	643	420	325	259	260	156	132	133	155
Nonfatal	37,264	18,885	11,902	11,138	11,552	12,329	11,220	8,545	11,107
Rate per million man-hours:									
Fatal	.9	1.0	1.2	1.0	1.0	.6	.5	.5	.4
Nonfatal	52	45	42	45	44	46	40	29	30
Fatalities per 1,000 employed <sup>1</sup>	1.33	1.61	1.71	1.74	1.81	.96	.90	.75	.71
<b>Quarrying and related industries:<sup>2,3</sup></b>									
Injuries, total	4,816	3,864	4,707	3,353	3,709	3,088	2,501	2,664	2,566
Fatal	54	53	39	48	43	46	60	48	38
Nonfatal	4,762	3,811	4,668	3,305	3,666	2,992	2,441	2,616	2,530
Rate per million man-hours:									
Fatal	.3	.3	.2	.3	.2	.3	.4	.3	.2
Nonfatal	25	22	23	17	20	21	17	17	17
<b>Metal and nonmetal mining:<sup>2,4</sup></b>									
Injuries, total	8,744	8,343	7,253	6,328	6,730	5,392	5,037	5,460	5,169
Fatal	110	104	121	92	93	152	75	71	66
Nonfatal	8,634	8,239	7,132	6,236	6,637	5,240	4,962	5,389	5,103
Rate per million man-hours:									
Fatal	.6	.6	.8	.6	.7	.7	.3	.3	.3
Nonfatal	49	49	45	42	47	25	21	21	20
Rate per 1,000 workers: <sup>1</sup>									
Fatal	1.4	1.3	1.5	1.4	1.5	1.7	.6	.5	.5
Nonfatal	108	103	89	92	109	58	39	40	36

<sup>1</sup> See footnote 1, table 1275. <sup>2</sup> Includes office workers. <sup>3</sup> Includes manufacture of cement and lime, except, beginning 1972, excludes cement manufacturing. <sup>4</sup> Beginning 1960, nonmetal mines include clay mines and also Hawaii. Beginning 1972, nonmetal mines exclude extraction of Frasch process sulfur.

Source: 1950-1970, U.S. Bureau of Mines, *Minerals Yearbook*, and unpublished data; 1972-1975, U.S. Mining Enforcement and Safety Administration, Denver, Colorado, unpublished data.

## Hours and Earnings—Imports and Exports

749

NO. 1277. SELECTED MINERAL INDUSTRIES—AVERAGE WEEKLY AND HOURLY EARNINGS AND WEEKLY HOURS: 1960 TO 1975

ITEM	1960	1965	1968	1969	1970	1971	1972	1973	1974	1975
All mining:										
Weekly earnings.....dol.	104	122	141	153	160	168	181	196	213	229
Hourly earnings.....dol.	2.45	2.77	3.20	3.43	3.66	3.87	4.17	4.70	4.91	5.42
Weekly hours.....	42.5	44.0	44.3	44.6	43.8	43.5	43.4	44.0	43.5	42.4
Crude petroleum and natural gas:										
Weekly earnings.....dol.	103	116	138	147	156	160	170	192	224	249
Hourly earnings.....dol.	2.46	2.74	3.39	3.59	3.83	3.75	3.97	4.69	5.33	6.05
Weekly hours.....	42.0	42.4	40.7	41.0	40.7	42.6	42.8	40.9	42.0	40.8
Coal mining:										
Weekly earnings.....dol.	110	138	153	167	184	194	216	227	237	283
Hourly earnings.....dol.	3.11	3.46	3.83	4.20	4.52	4.79	5.80	5.89	6.20	7.21
Weekly hours.....	35.5	39.9	40.0	39.7	40.7	40.6	41.0	39.9	38.2	39.3
Metal mining:										
Weekly earnings.....dol.	111	127	148	157	166	171	186	200	227	251
Hourly earnings.....dol.	2.68	3.06	3.42	3.65	3.88	4.12	4.47	4.76	5.43	6.13
Weekly hours.....	41.6	41.6	43.3	43.1	42.7	41.6	41.5	42.1	41.8	40.9
Nonmetal mining incl. quarrying:										
Weekly earnings.....dol.	98	117	137	149	156	165	177	197	209	211
Hourly earnings.....dol.	2.27	2.57	3.04	3.27	3.48	3.68	3.95	4.18	4.52	4.85
Weekly hours.....	43.3	45.7	44.9	45.6	44.7	44.9	44.8	47.1	46.3	43.5

Source: U.S. Bureau of Mines, *Minerals Yearbook*.

NO. 1278. SELECTED MINERAL AND METAL PRODUCTS—IMPORTS AND EXPORTS: 1965 TO 1976

[Includes trade of Puerto Rico with foreign countries]

PRODUCT	UNIT	QUANTITY					VALUE (mil. dol.)				
		1965	1970	1974	1975	1976	1965	1970	1974	1975	1976
<b>IMPORTS<sup>1</sup></b>											
Petroleum, crude.....	Mil. bbl.....	502	535	1,225	1,581	2,051	1,120	1,260	15,253	18,290	25,456
<b>Nonmetallic minerals:</b>											
Asbestos.....	1,000 sh. tons.....	684	639	736	525	619	66	74	119	108	134
Diamonds: Gem.....	Mil. carats.....	3.2	4.3	4.5	4.6	5.6	307	425	760	722	1,012
Industrial.....	Mil. carats.....	12.2	11.2	13.8	10.9	12.2	54	44	53	45	51
<b>Ores and concentrates:</b>											
Bauxite.....	Mil. lg. tons.....	12.5	14.3	13.8	11.6	12.6	143	166	157	235	304
Chromite.....	1,000 sh. tons.....	1,518	1,406	1,170	1,253	1,275	25	32	29	61	70
Copper.....	1,000 sh. tons <sup>2</sup> .....	11	66	84	29	35	6	79	121	36	50
Iron ore.....	Mil. lg. tons.....	45.1	44.9	48.0	46.7	44.4	444	479	696	860	980
Lead.....	1,000 sh. tons <sup>2</sup> .....	129	43	63	45	89	27	8	15	12	29
Manganese ore.....	1,000 sh. tons.....	3,892	1,735	1,152	1,574	1,316	110	34	45	77	74
Nickel <sup>3</sup> .....	1,000 sh. tons <sup>2</sup> .....	31	33	40	23	26	41	96	112	78	120
Tin.....	1,000 lg. tons <sup>2</sup> .....	4	5	6	6	6	13	14	36	44	39
Tungsten.....	Sh. tons <sup>2</sup> .....	1,802	642	5,618	3,285	2,650	4	3	41	32	28
<b>Metals (incl. scrap):<sup>4</sup></b>											
Aluminum.....	1,000 sh. tons.....	555	387	583	489	661	227	177	355	344	485
Copper.....	1,000 sh. tons.....	137	137	357	164	449	94	154	626	188	490
Lead <sup>5</sup> .....	1,000 sh. tons.....	232	253	124	105	149	70	80	68	53	66
Nickel.....	1,000 sh. tons.....	136	137	253	176	179	208	327	579	520	581
Platinum group.....	1,000 troy oz.....	1,220	1,411	3,017	1,719	2,657	73	105	471	255	290
Tin <sup>6</sup> .....	1,000 lg. tons.....	41	51	41	52	47	160	188	291	315	329
Zinc.....	1,000 sh. tons.....	159	262	551	380	702	44	74	434	275	484
<b>EXPORTS<sup>7</sup></b>											
<b>Fuels:</b>											
Bituminous coal.....	Mil. sh. tons.....	50.3	71.0	60.0	65.8	59.5	466	955	2,427	3,242	2,897
Petroleum, crude.....	1,000 bbl.....	1,004	4,901	1,073	19	2,227	3	17	14	(7)	27
<b>Nonmetallic minerals:</b>											
Cement, hydraulic.....	1,000 bbl.....	748	847	1,542	988	932	4	5	15	28	27
Phosphate rock.....	1,000 sh. tons.....	862	815	799	1,285	1,084	11	10	16	37	27
Potash material.....	1,000 sh. tons.....	1,099	1,046	1,453	1,524	1,730	43	37	81	112	111
Sulfur <sup>8</sup> .....	1,000 lg. tons.....	2,635	1,433	2,601	1,288	1,183	66	34	97	70	60
<b>Metals (incl. scrap):<sup>4</sup></b>											
Aluminum <sup>9</sup> .....	1,000 sh. tons.....	242	466	288	253	261	105	236	189	163	182
Copper <sup>9</sup> .....	1,000 sh. tons.....	424	348	160	145	115	312	403	175	126	103
Iron and steel, scrap <sup>10</sup> .....	1,000 sh. tons.....	6,170	10,112	8,497	9,442	7,879	197	432	824	763	602
Molybdenum <sup>9</sup> .....	Sh. tons.....	55	336	52	159	112	(2)	1	1	1	(2)

Z. Less than \$500,000. <sup>1</sup> Imports for consumption. <sup>2</sup> Of metal. <sup>3</sup> Includes matte and oxide.<sup>4</sup> Excludes semifabricated forms, except as noted. <sup>5</sup> Includes alloys in chief value of lead.<sup>6</sup> Includes alloys in chief value of tin. <sup>7</sup> Includes shipments under foreign aid programs.<sup>8</sup> Includes crude (containing 85 percent or more sulfur), crushed, ground, refined, sublimed, and flowers.<sup>9</sup> Includes alloys. <sup>10</sup> Includes tin plated and terne plated scrap.Source: U.S. Bureau of the Census, *U.S. Imports for Consumption and General Imports*, TSUSA Commodity and Country, FT 246 annual; *U.S. Exports, Schedule B Commodity and Country*, FT 410, monthly; and unpublished data.

## Mining and Mineral Products

NO. 1279. U.S. DIRECT INVESTMENT ABROAD IN MINING AND SMELTING AND IN PETROLEUM—VALUE, 1966 TO 1976, AND EARNINGS, 1976, BY COUNTRY  
 [In millions of dollars. Minus sign (–) denotes decrease. See also *Historical Statistics, Colonial Times to 1970*, series U 41-46.]

COUNTRY	DIRECT INVESTMENT POSITION (value at yearend)								EARNINGS, 1976 <sup>1</sup>	
	Mining and smelting				Petroleum				Mining and smelting	Petroleum
	1966	1970	1975	1976 <sup>1</sup>	1966	1970	1975	1976 <sup>1</sup>		
All areas.....	3,983	5,405	6,548	7,058	13,893	19,754	26,200	29,713	861	5,157
Developed countries.....	2,328	3,286	4,398	4,749	7,661	11,205	20,358	23,662	604	1,780
Canada.....	1,976	2,574	3,053	3,200	3,171	4,337	6,220	7,153	238	1,011
Europe.....	19	36	41	34	3,627	5,481	11,393	13,445	-5	425
Japan.....	-	-	-	-	287	525	1,313	1,566	-	108
Australia, New Zealand, and South Africa.....	333	675	1,305	1,515	576	863	1,430	1,498	371	236
Developing countries.....	1,655	2,119	2,150	2,309	5,051	6,644	2,519	2,882	257	3,176
Latin America.....	1,340	1,712	1,476	1,600	2,456	2,703	3,324	2,940	159	453
Other Africa <sup>2</sup> .....	(D)	340	488	534	791	1,750	1,336	1,599	74	460
Middle East <sup>2</sup> .....	(Z)	(Z)	5	8	1,277	1,265	-4,888	-4,211	2	1,641
Other Asia and Pacific.....	(D)	67	181	167	527	926	2,746	2,554	22	622
International and unallocated.....	(X)	(X)	(X)	(X)	1,180	1,905	3,323	3,169	(X)	200

- Represents zero. D Withheld to avoid disclosure of individual company data. X Not applicable.  
 Z Less than \$500,000. <sup>1</sup> Preliminary. <sup>2</sup> Includes Egypt and all other countries in Africa except South Africa. <sup>3</sup> Includes Bahrain, Iran, Israel, Jordan, Kuwait, Lebanon, Qatar, Saudi Arabia, South Yemen, Syria, Trucial States, Oman, and Yemen. Negative direct investment position occurs when U.S. parent company's liabilities to the foreign affiliate are greater than its investment in the foreign affiliate. For further explanation, see the June 1977 issue of source.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, Aug., Sept., and Oct. issues.

NO. 1280. NET U.S. IMPORTS OF SELECTED MINERALS AND METALS AS PERCENT OF APPARENT CONSUMPTION, 1960 TO 1976, AND BY MAJOR FOREIGN SOURCES, 1972-75  
 [In percent. Figures based on net imports which equal the difference between imports and exports plus or minus Government stockpile and industry stock changes]

MINERAL	1960	1965	1970	1972	1973	1974	1975	1976	Rank of major foreign sources, 1972-75
Columbium.....	100	100	100	100	100	100	100	100	Brazil, Thailand, Nigeria.
Mica (sheet).....	94	94	100	100	100	100	100	100	India, Brazil, Malagasy.
Strontrium.....	100	100	100	100	100	100	100	100	Mexico, U.K., Spain.
Manganese.....	89	94	95	98	98	98	98	98	Brazil, Gabon, Australia, So. Africa.
Coobat.....	66	92	98	98	99	99	98	98	Zaire, Belgium-Luxembourg, Finland, Norway.
Tantalum.....	94	95	96	96	87	87	81	94	Thailand, Canada, Australia, Brazil.
Chromium.....	85	92	89	91	91	90	90	89	U.S.S.R., So. Africa, Philippines, Turkey.
Asbestos.....	94	85	88	84	82	87	84	83	Canada, South Africa.
Aluminum.....	(1)	4	(1)	12	18	4	(1)	22	Canada.
Bauxite and alumina.....	74	85	88	90	92	92	91	90	Jamaica, Surinam, Guinea, Australia.
Fluorine.....	48	77	80	77	79	81	81	79	Mexico, Spain, Italy.
Platinum group.....	82	87	78	82	87	87	83	92	U.K., U.S.S.R., South Africa.
Titanium (rutile).....	75	97	100	100	96	98	95	93	Australia, India.
Tin.....	82	80	81	83	84	84	84	85	Malaysia, Thailand, Bolivia.
Mercury.....	25	49	41	61	78	86	69	65	Canada, Algeria, Mexico, Spain.
Nickel.....	72	73	71	65	69	72	72	71	Canada, Norway, New Caledonia.
Zinc.....	46	53	54	61	64	59	61	59	Canada, Mexico, Australia, Peru.
Tellurium.....	15	(1)	42	38	33	41	50	57	Peru, Canada.
Selenium.....	25	44	11	24	57	59	66	59	Canada, Japan, Mexico.
Antimony.....	43	36	40	50	50	44	49	61	So. Africa, P.R., China, Bolivia, Mexico.
Tungsten.....	32	57	50	43	66	68	55	59	Canada, Bolivia, Peru, Thailand.
Cadmium.....	13	20	7	38	41	46	41	64	Canada, Mexico, Australia, Belgium-Lux.
Potassium.....	(1)	7	42	45	53	58	51	62	Canada.
Gold.....	56	72	59	71	48	63	52	70	Canada, Switzerland, U.S.S.R.
Gypsum.....	35	37	39	38	35	37	40	38	Canada, Mexico, Jamaica.
Vanadium.....	(1)	15	21	27	43	36	38	31	South Africa, Chile, U.S.S.R.
Barium.....	45	46	45	39	37	38	35	38	Ireland, Peru, Mexico.
Petroleum <sup>2</sup> .....	16	19	21	29	35	37	35	41	Canada, Venezuela, Nigeria, Saudi Arabia.
Silver.....	43	16	26	50	66	55	35	47	Canada, Mexico, Peru.
Iron ore.....	18	32	30	37	35	37	30	35	Canada, Venezuela, Brazil.
Steel mill products.....	5	11	14	17	12	13	13	10	Japan, Europe, Canada.
Titanium (ilmenite).....	22	9	24	28	28	33	24	37	Canada, Australia.

<sup>1</sup> Net exports. <sup>2</sup> Includes natural gas liquids.

Source: U.S. Bureau of Mines, *Minerals Yearbook*; import and export data from U.S. Bureau of the Census.

## NO. 1281. COAL AND COKE—SUMMARY: 1960 TO 1976

[Includes coal consumed at mines. Demonstrated coal reserve base for United States on Jan. 1, 1974, was 437 billion tons. Recoverability varies between 40 and 90 percent for individual deposits; 50 percent or more of overall U.S. coal reserve base is recoverable. See also *Historical Statistics, Colonial Times to 1970*, series M 93-126.]

ITEM	1960	1965	1970	1971	1972	1973	1974	1975	1976 <sup>1</sup>
Total production... mil. sh. tons...	434	527	613	561	602	599	610	655	671
Value..... mil. dol...	2,098	2,398	3,878	4,008	4,647	5,140	9,631	12,671	13,511
World production... mil. sh. tons...	2,899	3,079	3,295	3,322	3,339	3,399	3,457	3,612	3,727
<b>BITUMINOUS COAL<sup>2</sup></b>									
Production..... mil. sh. tons...	416	512	603	552	595	592	603	648	665
Value, total..... mil. dol...	1,950	2,276	3,773	3,905	4,562	5,050	9,486	12,472	13,300
Average per ton..... dollars...	4.69	4.44	6.26	7.07	7.66	8.53	15.75	19.23	20.00
Method of mining:									
Underground..... mil. sh. tons...	285	333	339	276	304	299	277	292	295
Mechanically loaded..... percent...	86.3	89.2	97.2	98.2	99.0	99.3	99.7	99.8	99.8
Cut by machine..... percent...	67.8	53.9	46.1	40.6	37.4	35.8	33.0	32.0	31.0
Surface..... mil. sh. tons...	131	179	264	276	291	292	326	356	370
As percent of total production...	31.4	35.1	43.8	50.0	48.9	49.5	54.0	54.8	55.5
Exports..... mil. sh. tons...	37	50	71	57	56	58	60	66	60
Value..... mil. dol...	332	465	951	891	978	1,002	2,420	3,232	2,700
Imports <sup>3</sup> ..... 1,000 sh. tons...	260	184	36	111	47	127	2,080	940	1,150
Value <sup>3</sup> ..... mil. dol...	2	2	(2)	2	1	2	58	22	29
Consumption <sup>4</sup> ..... mil. sh. tons...	380	459	516	495	517	556	553	550	597
Electric power utilities.....	174	243	319	326	349	387	390	403	442
Manufacturing and mining ind.	173	197	184	157	159	161	154	146	149
Number of mines.....	7,865	7,228	5,601	5,149	4,879	4,744	5,247	6,168	6,000
Average men employed <sup>5</sup> ..... 1,000...	169	134	140	146	149	148	167	190	208
Average days worked.....	191	219	228	210	225	227	206	232	225
Average tons per man:	12.83	17.52	18.84	18.02	17.74	17.58	18.68	14.74	13.80
Per day.....	2,453	3,829	4,296	3,784	3,992	3,991	3,848	3,420	3,000
Production, by State:									
Alabama..... mil. sh. tons...	13.0	14.8	20.6	17.9	20.8	19.2	19.8	22.6	21.3
Illinois..... mil. sh. tons...	46.0	58.5	65.1	58.4	65.5	61.6	58.2	59.5	59.1
Indiana..... mil. sh. tons...	15.5	15.6	22.3	21.4	25.9	25.3	23.7	25.1	23.7
Kentucky..... mil. sh. tons...	66.8	85.8	125.3	119.4	121.2	127.6	127.2	143.6	140.0
Ohio..... mil. sh. tons...	34.0	39.4	55.4	51.4	51.0	48.8	45.4	46.8	46.1
Pennsylvania..... mil. sh. tons...	65.4	80.3	80.5	72.8	75.9	76.4	80.5	84.1	84.5
Virginia..... mil. sh. tons...	27.8	34.1	35.0	30.6	34.0	34.0	34.3	35.5	39.0
West Virginia..... mil. sh. tons...	118.9	149.2	144.1	118.3	123.7	115.4	102.5	109.3	108.2
Wyoming..... mil. sh. tons...	2.0	3.3	7.2	8.1	10.9	14.9	20.7	23.8	29.2
Other States..... mil. sh. tons...	20.0	31.3	47.4	53.8	66.4	71.5	81.1	98.1	113.9
<b>ANTHRACITE (PA.)</b>									
Production..... mil. sh. tons...	19	15	10	9	7	7	7	6	6
Value, total..... mil. dol...	147	122	105	103	85	90	145	198	211
Average per ton..... dollars...	7.82	8.21	10.83	11.86	12.00	13.65	22.19	31.99	34.00
<b>COKE</b>									
Production <sup>6</sup> ..... mil. sh. tons...	57.2	66.9	66.5	57.4	60.5	64.3	61.6	67.2	58.3
Oven coke <sup>7</sup> ..... mil. sh. tons...	66.2	65.2	65.7	56.7	59.9	63.5	60.7	56.5	57.7
Value of prod. at plant..... mil. dol...	1,382	1,429	2,193	2,109	2,376	2,931	5,262	5,261	(NA)
Coke and breeze..... mil. dol...	1,075	1,118	1,899	1,849	2,080	2,575	4,609	4,607	(NA)
All coal-chemical materials..... mil. dol...	307	311	293	261	296	356	653	654	(NA)
Average market value per ton..... dollars...	18.31	16.84	27.71	30.63	33.21	37.97	73.24	84.34	(NA)
Coal charged..... mil. sh. tons...	81.4	95.3	96.5	88.2	87.7	94.1	90.2	83.6	83.7
Average value per ton..... dollars...	9.82	9.40	12.47	13.91	15.66	18.24	36.49	44.21	(NA)
Yield of coke from coal..... percent...	70.3	70.4	69.1	69.0	69.0	68.4	69.3	68.4	69.6

NA. Not available. Z. Less than \$500,000. <sup>1</sup> Preliminary.

<sup>2</sup> Relates to mines having an output of 1,000 tons a year or more, including lignite and small output of anthracite produced outside Pennsylvania.

<sup>3</sup> Beginning 1965, includes anthracite. <sup>4</sup> Includes some categories not shown separately.

<sup>5</sup> Average number of men working daily. <sup>6</sup> Includes beehive coke. <sup>7</sup> Excludes screenings or breeze.

Source: U.S. Bureau of Mines, *Minerals Yearbook*.

## Mining and Mineral Products

NO. 1282. PETROLEUM INDUSTRY—SUMMARY: 1940 TO 1976

YEAR	PRODUCING OIL WELLS		COMPLETED WELLS DRILLED (1,000)				DOMESTIC OIL PRODUCTION			Imports, crude petro- leum (mil. bbl.)	Re- finery capa- city (mil. bbl.)
	Total (1,000)	Daily output per well (bbl.)	Total	Oil	Gas	Dry	Total (mil. bbl.)	Value at wells (bil. dol.)	Avg. price per bbl. (dol.)		
1940.....	389	9.6	30	19	2	7	1,353	1.4	1.02	43	1,694
1945.....	416	11.3	27	14	3	7	1,714	2.1	1.22	74	1,935
1950.....	466	11.8	43	24	3	15	1,974	5.0	2.51	178	2,444
1955.....	524	13.2	57	32	4	21	2,484	6.9	2.77	285	3,074
1960.....	591	12.0	44	21	5	18	2,575	7.4	2.88	372	3,624
1965.....	589	13.3	40	19	5	16	2,849	8.2	2.86	452	3,933
1970.....	531	18.0	27	13	4	11	3,517	11.2	3.18	483	4,407
1971.....	517	18.1	25	11	4	10	3,454	11.7	3.39	613	4,752
1972.....	508	18.4	26	11	5	11	3,455	11.7	3.39	811	4,918
1973.....	497	18.3	26	10	6	10	3,361	13.1	3.89	1,184	5,038
1974.....	498	17.6	31	13	7	12	3,203	21.6	6.74	1,269	5,289
1975.....	500	16.8	37	16	8	13	3,057	23.1	7.67	1,498	5,537
1976.....	508	16.3	40	17	9	14	2,972	24.2	8.11	1,935	5,646

Source: 1940-1955, American Petroleum Institute, Washington, D.C., *Petroleum Facts and Figures*, biennial; beginning 1960, U.S. Bureau of Mines, *Minerals Yearbook*.

NO. 1283. FUEL CONSUMPTION, BY TYPE OF USE: 1960 TO 1975

FUEL AND USE	CONSUMPTION							PERCENT USE			
	1960	1965	1970	1972	1973	1974	1975 1	1965	1970	1975 1	
Petroleum 2.....	mil. bbl.	3,611	4,202	5,365	5,990	6,317	6,078	5,958	100	100	100
Fuel use.....	mil. bbl.	3,301	3,802	4,787	5,326	5,606	5,390	5,349	90	89	90
Nonfuel use.....	mil. bbl.	310	400	578	664	711	688	609	10	11	10
Household and commercial.....	mil. bbl.	853	978	1,128	1,169	1,168	1,064	1,006	23	21	17
Industrial.....	mil. bbl.	644	740	961	1,062	1,142	1,116	1,049	18	18	18
Transportation.....	mil. bbl.	1,934	2,272	2,903	3,213	3,380	3,296	3,334	54	54	56
Electrical generation.....	mil. bbl.	90	119	334	504	587	560	520	3	6	9
Miscellaneous.....	mil. bbl.	90	93	38	42	40	42	49	2	1	1
Natural gas.....	bil. cu. ft.	12,269	15,598	21,367	22,429	22,245	21,223	19,538	100	100	100
Fuel use.....	bil. cu. ft.	11,910	15,315	20,701	21,775	21,545	20,513	18,944	98	97	97
Nonfuel use.....	bil. cu. ft.	360	283	666	654	700	710	594	2	3	3
Household and commercial.....	bil. cu. ft.	4,123	5,346	6,894	7,412	7,477	7,342	7,432	34	32	38
Industrial.....	bil. cu. ft.	6,074	7,433	9,857	10,272	10,485	9,783	8,376	48	46	43
Transportation.....	bil. cu. ft.	347	501	722	766	728	669	583	3	3	3
Electrical generation.....	bil. cu. ft.	1,725	2,318	3,894	3,979	3,605	3,429	3,147	15	18	16
Coal 3.....	mil. sh. tons.	398	472	524	523	562	558	561	100	100	100
Fuel use.....	mil. sh. tons.	393	467	518	518	558	554	557	99	99	99
Nonfuel use.....	mil. sh. tons.	5	5	6	5	4	4	4	1	1	1
Household and commercial.....	mil. sh. tons.	37	26	16	12	11	11	10	6	3	2
Industrial.....	mil. sh. tons.	175	201	187	161	162	155	147	43	36	26
Electrical generation.....	mil. sh. tons.	177	245	321	350	388	392	404	52	61	72
Miscellaneous 4.....	mil. sh. tons.	9	1	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)	(Z)

Z Less than 500,000 short tons or .5 percent.

1 Preliminary.

2 Products refined and processed from crude oil, including still gas, liquefied refinery gas, and natural gas liquids.

3 Includes anthracite, bituminous, and lignite coals.

4 Includes transportation.

Source: U.S. Bureau of Mines, *United States Energy Through the Year 2000*, December 1972; and *Minerals Yearbook*.

# Crude Petroleum and Refined Products

753

## NO. 1284. CRUDE PETROLEUM AND REFINED PRODUCTS: 1960 TO 1976

[Barrels of 42 gallons. See also *Historical Statistics, Colonial Times to 1970*, series M 138-142, M 178, and M 181]

ITEM	1960	1965	1970	1971	1972	1973	1974	1975	1976 <sup>1</sup>
<b>Crude petroleum:</b>									
Domestic production.....	2,575	2,849	3,517	3,454	3,455	3,361	3,203	3,057	2,972
Value at wells.....	7.4	8.2	11.2	11.7	11.7	13.1	21.6	23.1	24.2
Average price per barrel at wells.....	2.88	2.86	3.18	3.39	3.39	3.89	6.74	7.67	8.11
Wholesale price index (1967=100) <sup>2</sup> .....	98.6	98.2	106.1	113.2	113.8	120.6	211.8	245.7	253.6
World production.....	7,689	11,058	16,719	17,063	18,601	20,561	20,537	19,475	20,939
U.S. proportion of world total, percent.....	33	26	21	20	19	17	16	16	14
Imports.....	372	452	483	613	811	1,184	1,269	1,498	1,935
From OPEC <sup>3</sup> countries.....	340	316	214	334	462	765	927	1,172	1,664
Exports.....	3	1	5	1	-	1	1	2	3
Stocks, Dec. 31.....	240	220	276	260	246	242	265	271	285
Producing oil wells, Dec. 31.....	1,000	591	589	531	517	508	497	498	508
Proved reserves, Dec. 31.....	31,613	31,352	39,001	38,063	36,339	35,300	34,250	32,682	30,942
<b>Refinery capacity:</b>									
Total.....	3,624	3,938	4,407	4,752	4,918	5,038	5,289	5,537	5,646
Receipts at refineries.....	2,951	3,297	3,973	4,081	4,279	4,546	4,436	4,646	4,920
By pipeline: Domestic.....	2,149	2,388	2,840	2,835	2,964	2,905	2,754	2,662	2,643
Foreign.....	41	107	237	260	318	409	370	398	443
By water: Domestic.....	387	444	610	591	464	399	342	305	271
Foreign.....	330	344	244	353	490	775	896	1,101	1,487
By tank cars and trucks.....	44	38	43	42	53	58	74	80	76
<b>Refined products:</b>									
Completed refineries, Dec. 31, number.....	311	286	279	282	277	284	290	287	290
Daily crude oil capacity.....	10.0	10.5	13.0	13.4	13.8	14.5	15.2	15.4	16.1
Average dealer's net price (excl. tax) of gasoline (55 cities) <sup>4</sup> .....	16.08	15.38	17.68	18.11	17.72	19.48	30.54	35.78	38.99
Yield of gasoline.....	45.1	44.0	45.3	46.2	46.2	45.9	45.9	46.5	47.4
Imports.....	203	449	765	819	924	1,099	962	712	735
Exports.....	71	67	89	81	81	84	79	74	80
Stocks, Dec. 31.....	516	580	741	784	713	766	809	862	828

- Represents zero. <sup>1</sup> Preliminary. <sup>2</sup> Source: U.S. Bureau of Labor Statistics. <sup>3</sup> Organization of Petroleum Exporting Countries. Comprises Algeria, Ecuador, Gabon, Indonesia, Iran, Iraq, Kuwait, Libya, Nigerina, Qatar, Saudi Arabia, United Arab Emirates, and Venezuela. <sup>4</sup> Source: Platt's Oilgram Price Service.

Source: Except as noted, U.S. Bureau of Mines, *Minerals Yearbook*.

## NO. 1285. PETROLEUM—RUNS TO STILLS AND REFINERY PRODUCTS, BY CLASS: 1960 TO 1976

[In millions of barrels, except percent. Barrels of 42 gallons, except as indicated. 1960 excludes Alaska and Hawaii. See also *Historical Statistics, Colonial Times to 1970*, series M 182-177]

PRODUCT	1960	1965	1970	1972	1973	1974	1975	1976, prel.	PERCENT			
									1965	1970	1975	1976, prel.
<b>Input</b>	3,119	3,527	4,252	4,593	4,845	4,714	4,814	5,189	100.0	100.0	100.0	100.0
Crude petroleum.....	2,952	3,301	3,967	4,281	4,537	4,429	4,541	4,910	93.6	93.3	94.3	94.6
Domestic.....	2,581	2,843	3,485	3,474	3,360	3,169	3,047	2,990	80.7	82.0	63.3	57.6
Foreign.....	371	145	482	807	1,177	1,260	1,494	1,920	12.8	11.3	31.0	37.0
Natural-gas liquids <sup>1</sup> .....	107	226	285	312	308	285	273	279	6.4	6.7	5.7	5.4
<b>Output</b>	3,119	3,527	4,252	4,593	4,845	4,714	4,814	5,189	100.0	100.0	100.0	100.0
Gasoline.....	1,510	1,694	2,100	2,316	2,399	2,336	2,393	2,516	48.0	49.4	49.7	48.5
Kerosene.....	136	93	95	79	79	56	56	55	2.7	2.2	1.2	1.1
Distillate fuel oil.....	667	765	896	962	1,029	974	968	1,070	21.7	21.1	20.1	20.6
Residual fuel oil.....	332	269	258	283	354	390	451	504	7.6	6.1	9.4	9.7
Jet fuel.....	88	191	302	310	314	305	318	336	5.4	7.1	6.6	6.5
Lubricants.....	59	63	66	65	69	71	56	62	1.8	1.6	1.2	1.2
Wax (1 bbl.=280 lb.).....	6	5	6	6	7	7	6	7	.1	.1	.1	.1
Coke (5 bbl.=1 sh. ton).....	60	86	108	120	132	124	129	130	2.5	2.5	2.7	2.5
Asphalt (5.5 bbl.=1 sh. ton).....	99	124	147	155	168	164	144	140	3.5	3.5	3.0	2.7
Still gas (1 bbl.=3,600 cu. ft.).....	129	135	164	171	177	176	175	180	3.8	3.9	3.6	3.5
Liquefied gases.....	78	107	116	121	128	117	109	119	3.0	2.7	2.3	2.3
Petrochemical feedstocks.....	(NA)	58	100	124	132	135	122	164	1.7	2.3	2.5	3.2
Other finished products.....	30	49	63	65	68	71	68	89	1.4	1.5	1.4	1.7
Other unfinished oils (net) <sup>2</sup> .....	22	32	38	52	46	37	19	8	.9	.9	.9	.8
Shortage <sup>3</sup> .....	59	80	191	142	165	175	108	175	2.3	3.1	3.5	3.4

NA Not available. <sup>1</sup> Includes other liquid hydrocarbons.

<sup>2</sup> Negative quantities.

Source: U.S. Bureau of Mines, *Minerals Yearbook*.

## Mining and Mineral Products

## NO. 1286. CRUDE PETROLEUM AND NATURAL GAS—WELLS DRILLED, FOOTAGE, AND DRILLING COST, BY TYPE OF WELL: 1960 TO 1975

[Includes all costs incurred for drilling and equipping wells to point of completion as productive wells or abandonment after drilling because unproductive. Based on sample of operators of different size drilling establishments]

ITEM AND YEAR	WELLS DRILLED		Footage drilled (mil. ft.)	DRILLING COST (mil. dol.)		Average depth per well (ft.)	AVERAGE COST PER WELL (\$1,000)		Average cost per ft. (dol.)	
	Total	Off-shore		Total	Offshore		Total	Off-shore		
All wells	1960	44,133	538	186.4	2,424	208	4,223	55	386	13.01
	1965	39,598	1,037	178.7	2,401	428	4,513	61	413	13.44
	1970	27,177	1,058	136.9	2,579	599	5,037	95	566	18.84
	1972	26,443	993	135.5	2,814	632	5,126	106	637	20.76
	1973	26,244	888	136.7	3,075	578	5,207	117	651	22.50
	1974	31,481	830	150.9	4,367	680	4,795	139	819	28.93
	1975	36,960	1,028	177.6	6,571	1,174	4,806	178	1,142	36.99
Oil wells	1960	21,294	301	84.0	1,111	98	3,946	52	326	13.22
	1965	18,857	487	76.5	1,067	193	4,059	57	396	13.94
	1970	12,547	533	56.4	1,088	282	4,496	87	528	19.20
	1972	10,753	332	48.4	1,005	213	4,501	94	642	20.77
	1973	9,705	296	44.7	1,007	182	4,602	104	615	22.54
	1974	13,073	253	51.8	1,440	170	3,960	110	670	27.82
	1975	16,276	283	66.1	2,257	253	4,059	139	892	34.15
Gas wells	1960	5,262	87	29.1	540	53	5,526	103	606	18.58
	1965	4,772	118	26.5	486	67	5,552	102	571	18.35
	1970	3,844	193	23.1	618	139	6,007	161	720	26.75
	1972	5,086	230	28.9	802	176	5,679	158	764	27.78
	1973	6,427	193	36.3	998	154	5,654	155	798	27.46
	1974	6,695	155	37.1	1,267	152	5,546	189	978	34.11
	1975	7,654	271	45.4	2,005	338	5,667	262	1,247	46.23
Dry holes	1960	17,577	150	73.8	774	57	4,168	44	377	10.56
	1965	15,967	432	75.7	849	167	4,739	53	387	11.21
	1970	10,786	332	57.4	873	178	5,320	81	536	15.21
	1972	10,604	431	58.3	1,006	244	5,498	95	565	17.28
	1973	10,112	399	55.7	1,070	242	5,504	106	608	19.22
	1974	11,713	422	62.0	1,660	359	5,297	142	850	26.76
	1975	13,030	474	68.2	2,309	584	5,234	177	1,232	33.86

Source: American Petroleum Institute, Independent Petroleum Association of America, and Mid-Continent Oil and Gas Association, *Joint Association Survey of the U.S. Oil and Gas Producing Industry*, annual.

## NO. 1287. CRUDE PETROLEUM—PRODUCING OIL WELLS, 1970 AND 1976, PRODUCTION, 1961 TO 1976, AND PROVED RESERVES, 1970 AND 1976, BY STATES

[Barrels of 42 gallons. See also *Historical Statistics, Colonial Times to 1970*, series M 138 and M 142]

STATE	PRODUCING OIL WELLS, DEC. 31 (1,000)		PRODUCTION (million barrels)								PROVED RESERVES <sup>1</sup> (million barrels)		
	1970	1976	1961-1965, avg.	1970, avg.	1971-1975, avg.	1970	1972	1973	1974	1975	1976, prel.	1970	1976
	Total	531.0	500.3	2,737	3,292	3,306	3,517	3,455	3,361	3,203	3,057	2,972	39,001
Ala.	.6	.6	8	8	11	7	10	12	13	13	15	65	53
Alaska	.2	.2	10	53	73	84	73	72	71	70	63	10,149	9,786
Ark.	7.1	7.3	27	21	17	18	18	18	17	16	18	130	93
Calif.	40.4	41.0	303	365	337	372	347	336	328	322	327	3,984	3,590
Colo.	1.8	2.4	39	30	34	25	32	36	37	38	39	389	252
Ill.	26.1	23.4	73	54	32	44	35	31	27	26	27	229	155
Ind.	4.0	4.8	19	9	6	7	6	5	5	5	5	37	22
Kans.	43.5	42.0	109	94	68	85	74	66	62	59	59	539	362
Ky.	11.7	13.9	12	14	9	12	10	9	8	8	7	61	38
La.	27.9	27.7	512	804	809	907	892	832	737	651	617	5,710	3,471
Mich.	4.3	3.6	17	13	16	12	13	15	18	24	30	46	139
Miss.	3.1	2.2	56	60	56	65	61	56	51	47	46	355	214
Mont.	3.2	3.2	31	40	34	38	34	35	35	33	33	242	153
Nebr.	1.2	1.2	22	13	8	11	9	7	7	6	6	41	31
N. Mex.	17.3	13.7	113	127	105	128	110	101	99	95	92	761	635
N. Dak.	1.5	2.2	25	24	21	22	21	20	20	20	22	192	150
Ohio	15.9	16.6	9	11	9	10	9	9	9	10	12	128	125
Okla.	78.0	71.6	201	225	190	224	208	191	178	163	161	1,351	1,187
Texas	177.2	160.6	970	1,142	1,261	1,250	1,302	1,295	1,262	1,222	1,190	13,195	9,226
Utah	.9	1.3	30	24	33	23	26	33	39	42	34	182	183
Wyo.	9.3	9.4	140	146	141	160	140	142	140	136	117	1,017	828
Other	55.9	51.4	11	15	36	13	26	40	45	50	52	198	349

<sup>1</sup> December 31. From reports of Committee on Petroleum Reserves, American Petroleum Institute. Figures for California, Louisiana, and Texas include offshore reserves.

Source: U.S. Bureau of Mines, *Minerals Yearbook*.

# Crude Petroleum and Natural Gas—Oil and Gas Leases 755

## NO. 1288. CRUDE PETROLEUM AND NATURAL GAS—SALES VOLUME AND LEASE REVENUES, 1967 TO 1975, AND DRILLING EXPENDITURES AND EMPLOYMENT, 1973 TO 1975

[Figures on a gross operator basis, under which individual companies responsible for management and operation of oil and gas field leases reported on all properties operated for their own account and the account of others. Lease revenues represent the revenues generated from the sales of either crude petroleum or natural gas, comparable to the sales volume reported and including production payment, royalty, and nonoperating working interest shares]

ITEM AND YEAR	All com- pani- es, total	COMPANIES RANKED BY LEASE REVENUES					PERCENT OF TOTAL			
		Top 8	Next 8	Next 16	Top 50	Top 100	Top 8	Top 16	Top 32	
<b>Sales volume of—</b>										
Crude petroleum: <sup>1</sup>										
1967.....	mil. bbl.	3,044	1,647	517	263	2,552	2,659	54	71	80
1972.....	mil. bbl.	3,373	1,818	613	317	2,852	2,977	54	72	81
1973.....	mil. bbl.	3,348	1,802	610	299	2,840	2,964	54	72	81
1974.....	mil. bbl.	3,150	1,708	581	291	2,693	2,811	54	72	82
1975.....	mil. bbl.	3,111	1,659	557	282	2,635	2,762	53	71	80
Natural gas:										
1967.....	bil. cu. ft.	17,126	7,904	3,105	2,551	14,377	15,560	46	64	79
1972.....	bil. cu. ft.	21,902	10,607	3,546	2,800	18,170	19,446	48	65	77
1973.....	bil. cu. ft.	22,315	11,322	3,578	2,703	18,505	19,851	51	67	79
1974.....	bil. cu. ft.	21,878	9,861	4,065	2,529	17,539	19,098	45	64	75
1975.....	bil. cu. ft.	20,554	8,898	3,864	2,391	16,207	17,661	43	62	73
<b>Lease revenues for—</b>										
Crude petroleum: <sup>1</sup>										
1967.....	mil. dol.	8,800	4,899	1,475	730	7,456	7,763	56	72	81
1972.....	mil. dol.	11,332	6,194	2,024	1,053	9,608	10,018	55	73	82
1973.....	mil. dol.	13,040	7,036	2,448	1,136	11,103	11,601	54	73	81
1974.....	mil. dol.	20,938	11,205	3,708	1,812	17,495	18,345	54	71	80
1975.....	mil. dol.	23,005	11,961	3,980	1,915	18,931	20,009	52	69	78
Natural gas:										
1967.....	mil. dol.	2,888	1,341	501	419	2,438	2,640	46	64	78
1972.....	mil. dol.	4,317	2,082	687	591	3,596	3,848	48	64	77
1973.....	mil. dol.	5,064	2,493	794	634	4,160	4,494	49	65	77
1974.....	mil. dol.	6,726	3,036	1,238	777	5,400	5,894	45	64	75
1975.....	mil. dol.	8,967	3,859	1,618	1,048	7,018	7,755	43	61	73
<b>Drilling expenditures:<sup>2</sup></b>										
1973.....	mil. dol.	3,194	1,095	367	344	2,202	2,529	38	48	58
1974.....	mil. dol.	4,607	1,338	585	529	2,711	3,388	29	42	53
1975.....	mil. dol.	6,507	1,866	815	838	3,932	4,719	29	41	54
<b>Employment:</b>										
1973.....	1,000.....	124	38	18	13	74	81	31	45	55
1974.....	1,000.....	125	38	16	16	75	83	30	43	56
1975.....	1,000.....	137	40	18	15	79	88	29	42	53

<sup>1</sup> Includes condensate. <sup>2</sup> Represents expenditures incurred during the year for drilling and equipping wells.

Source: U.S. Bureau of the Census, *Annual Survey of Oil and Gas*.

## No. 1289. OIL AND GAS LEASES AND PRODUCTION ON THE OUTER CONTINENTAL SHELF, BY STATES: 1975 AND 1976

[Barrels of 42 gallons. Covers leases made in ocean waters belonging to the U.S. and subject to its jurisdiction and control under provisions of the Outer Continental Shelf Lands Act. See also table 375]

STATE	1975					1976				
	Number of leases	Acres (1,000)	Production			Number of leases	Acres (1,000)	Production		
			Oil (1,000 bbl.)	Gas (mil. cu. ft.)	LP gas <sup>1</sup> (mil. gal.)			Oil (1,000 bbl.)	Gas (mil. cu. ft.)	LP gas <sup>1</sup> (mil. gal.)
Total.....	1,675	7,761	339,333	3,383	2,040	1,878	8,823	322,810	3,493	1,944
Alabama.....	13	74	—	—	—	11	68	—	—	—
Alaska.....	—	—	—	—	—	76	409	—	—	—
California.....	68	347	16,129	5	—	124	657	14,705	4	—
Florida.....	62	357	—	—	—	50	288	—	—	—
Louisiana.....	1,171	5,047	322,023	3,246	1,982	1,217	5,254	306,896	3,386	1,921
Mississippi.....	6	35	—	—	—	6	35	—	—	—
Texas.....	355	1,901	1,181	132	58	394	2,117	1,209	103	23

— Represents zero. <sup>1</sup> Liquid petroleum gas. Includes gasoline production.

Source: U.S. Bureau of Land Management, *Public Land Statistics*, annual.

## NO. 1290. NATURAL GAS—PRODUCTION, CONSUMPTION, VALUE, RESERVES, AND MARKETED PRODUCTION, BY STATES: 1950 TO 1976

[Prior to 1960, excludes Alaska. See also *Historical Statistics, Colonial Times to 1970*, series M 147-161]

ITEM	1950	1955	1960	1965	1970	1972	1973	1974	1975	1976
Producing gas wells.....	1,000	65	71	91	112	117	121	124	126	130
Supply, total.....	bil. cu. ft.	6,457	9,853	13,640	17,456	24,200	25,308	25,213	24,261	22,822
Marketed prod. <sup>1</sup> .....	bil. cu. ft.	6,282	9,405	12,771	16,046	21,921	22,532	22,647	21,601	20,109
Drawn from storage.....	bil. cu. ft.	175	437	713	960	1,459	1,757	1,533	1,701	1,760
Imports.....	bil. cu. ft.	-	11	156	466	2,821	2,019	2,033	2,959	2,983
World production.....	bil. cu. ft.	(NA)	(NA)	(NA)	37,542	42,569	44,917	47,244	47,207	49,352
Percent U.S. ....		(NA)	(NA)	(NA)	58.4	52.9	50.4	45.7	41.7	40.4
Disposition of supply:										
Consumption.....	bil. cu. ft.	6,026	9,070	12,509	16,033	22,046	23,009	22,966	22,111	20,410
Residential.....	bil. cu. ft.	1,198	2,124	3,103	3,903	4,837	5,126	4,879	4,786	4,924
Commercial.....	bil. cu. ft.	388	629	1,020	1,443	2,057	2,287	2,288	2,263	2,268
Industrial <sup>4</sup> .....	bil. cu. ft.	4,440	6,317	8,386	10,687	15,152	15,596	15,799	15,062	13,218
Utilities.....	bil. cu. ft.	629	1,153	1,725	2,318	3,894	3,979	3,605	3,429	3,147
Field.....	bil. cu. ft.	1,187	1,508	1,780	1,910	2,305	2,364	2,412	2,365	2,269
Refineries.....	bil. cu. ft.	455	625	775	860	1,029	1,071	1,074	1,040	946
Pipeline fuel.....	bil. cu. ft.	126	245	347	501	722	766	728	669	583
Exports.....	bil. cu. ft.	26	31	11	26	70	78	77	77	73
Stored.....	bil. cu. ft.	230	505	844	1,073	1,857	1,893	1,974	1,784	2,104
Lost in transmission.....	bil. cu. ft.	175	247	274	319	228	328	196	289	235
Marketed production, <sup>1</sup>										
value at wells.....	mil. dol.	409	978	1,790	2,495	3,746	4,186	4,804	6,573	8,945
Average per 1,000 cu. ft. ....cents..		6.5	10.4	14.0	15.6	17.1	18.6	21.6	30.4	44.5
Proved reserves <sup>5</sup> .....	tril. cu. ft.	185	224	264	286	291	266	250	237	228
Marketed production: <sup>1</sup>										
Alaska.....	bil. cu. ft.	(NA)	(NA)	(Z)	7	112	126	131	129	160
Ark.....	bil. cu. ft.	48	32	55	83	181	167	158	124	116
Calif.....	bil. cu. ft.	559	538	518	660	649	487	449	365	354
Colo.....	bil. cu. ft.	11	49	107	126	106	117	138	145	172
Kans.....	bil. cu. ft.	364	471	634	793	900	889	893	887	844
La.....	bil. cu. ft.	832	1,680	2,988	4,467	7,788	7,973	8,242	7,754	7,091
N. Mex.....	bil. cu. ft.	213	541	799	937	1,139	1,216	1,219	1,245	1,217
Okla.....	bil. cu. ft.	482	615	824	1,321	1,595	1,807	1,771	1,639	1,605
Tex.....	bil. cu. ft.	3,127	4,731	5,893	6,637	8,358	8,658	8,514	8,171	7,486
W. Va.....	bil. cu. ft.	190	213	209	207	242	215	209	202	155
Wyo.....	bil. cu. ft.	62	78	182	236	339	375	358	327	316
Other.....	bil. cu. ft.	6394	6457	562	566	512	502	566	613	629

<sup>—</sup> Represents zero. <sup>Z</sup> Less than 500 million cubic feet.<sup>1</sup> Comprises gas sold or consumed by producers, including loss due to natural gas liquids recovery, losses in transmission, amounts added to storage, and increases in gas in pipelines. Beginning 1965, data on pressure base of 14.73 pounds per square inch absolute; prior years, 14.65.<sup>2</sup> Includes imports of liquefied natural gas. <sup>3</sup> Estimated. <sup>4</sup> Includes other use, not shown separately.<sup>5</sup> Estimated, end of year. Source: American Gas Association, Arlington, Va. (Copyright.) <sup>6</sup> Excludes Alaska.Source: Except as noted, U.S. Bureau of Mines, *Minerals Yearbook*.

## NO. 1291. NATURAL GAS LIQUIDS—PRODUCTION AND VALUE: 1950 TO 1976

[Barrels of 42 gallons. Prior to 1960, excludes Alaska. See also *Historical Statistics, Colonial Times to 1970*, series M 143-146]

ITEM	1950	1955	1960	1965	1970	1972	1973	1974	1975	1976
Total produced.....	mil. bbl.	182	281	340	442	606	638	634	616	596
Natural gasoline and mixtures <sup>1</sup> .....	mil. bbl.	77	106	107	130	165	164	161	148	134
Liquefied petroleum gases <sup>2</sup> .....	mil. bbl.	72	142	201	208	400	445	447	448	444
Cycle products.....	mil. bbl.	33	33	32	44	41	29	26	20	18
Value at plants:										
Natural gasoline <sup>1</sup> .....	mil. dol.	214	313	313	361	460	500	568	975	778
Liquefied petroleum gases <sup>2</sup> .....	mil. dol.	98	195	392	417	672	848	1,188	1,981	1,894
Cycle products.....	mil. dol.	108	111	104	134	134	104	101	132	101
Avg. value, all light products.....	dol. per bbl.	2.31	2.18	2.39	2.06	2.10	2.28	2.93	5.01	4.65
Natural gas processed.....	tril. cu. ft.	5	8	10	14	19	20	20	19	18
Average yield, all light products.....	gal. per 1,000 cu. ft.	1.43	1.44	1.46	1.35	1.37	1.34	1.35	1.38	1.42

<sup>1</sup> Beginning 1955, includes isopentane; included in LP-gases for 1950.<sup>2</sup> Includes ethane.Source: U.S. Bureau of Mines, *Minerals Yearbook*.

## Cement—Gypsum—Sand and Gravel

757

## No. 1292. CEMENT—SUMMARY: 1950 TO 1975

[In thousands of short tons, except as indicated. Includes Puerto Rico. Excludes Alaska and, prior to 1960, Hawaii, except that imports and exports include Alaska and Hawaii for all years. See *Historical Statistics, Colonial Times to 1970*, series M 188-189, for related data]

ITEM	1950	1955	1960	1965	1970	1972	1973	1974	1975
<b>Production of finished cement</b> <sup>1</sup> .....	43,291	59,204	62,816	73,103	76,116	84,556	87,573	82,888	69,721
Portland.....	42,493	55,921	59,974	69,827	78,168	80,744	83,551	79,486	66,796
Prepared masonry.....	(NA)	3,106	2,736	3,223	2,948	3,812	4,022	3,402	2,925
<b>Active plants, number:</b>									
Portland.....	150	157	176	181	181	174	172	176	174
Natural, slag, hydraulic lime.....	9	6	4	4	2	1	—	—	—
<b>Shipments</b> .....	43,611	58,326	61,492	73,637	76,385	85,280	90,727	82,914	70,684
Value.....	546	897	1,104	1,245	1,368	1,756	2,017	2,221	2,220
Average per ton.....	12.52	15.88	17.95	16.91	17.88	21.56	22.28	26.79	31.41
Portland.....	42,818	55,040	58,711	70,328	73,406	81,432	86,597	79,482	67,776
Prepared masonry.....	(NA)	3,107	2,678	3,266	2,978	3,848	4,130	3,432	2,908
Natural, slag, hydraulic lime.....	793	179	103	52	(D)	(D)	—	—	—
Stock at mills, Dec. 31 (Portland).....	2,466	3,297	6,700	6,207	7,228	6,709	5,230	7,156	6,575
Imports.....	265	981	772	1,035	2,473	4,851	6,647	5,702	3,637
Exports.....	455	337	35	141	123	83	268	199	417
World production, est.....	147	240	349	478	630	729	773	776	766

<sup>1</sup> Represents zero. <sup>2</sup> Withheld to avoid disclosing individual company data. <sup>3</sup> NA. Not available.

<sup>1</sup> Includes natural, slag, and hydraulic lime plants, not shown separately, except 1970 excludes slag cement.

## No. 1293. GYPSUM—SUMMARY: 1950 TO 1976

[Quantities in thousands of short tons; values in millions of dollars. Excludes Alaska, Hawaii, and Puerto Rico, except for imports and exports. See *Historical Statistics, Colonial Times to 1970*, series M 190, gypsum mined]

ITEM	1950	1955	1960	1965	1970	1972	1973	1974	1975	1976, prel.
<b>Active establishments</b> <sup>1</sup> .....	87	83	96	113	108	108	112	116	110	112
<b>Crude gypsum</b> : <sup>2</sup>										
Mined.....	8,193	10,684	9,825	10,033	9,436	12,328	13,558	11,999	9,751	12,110
Imports for consumption.....	3,219	3,977	5,301	5,911	6,128	7,718	7,661	7,424	5,448	6,231
Exports.....	24	23	17	28	41	51	63	132	75	285
Apparent supply <sup>3</sup> .....	11,388	14,638	15,109	15,916	15,523	19,995	21,156	19,291	15,124	18,056
<b>Calcined gypsum produced</b> .....	7,341	8,848	8,591	9,320	8,449	12,005	12,592	10,993	9,181	10,870
Value.....	60	89	121	133	132	196	205	206	186	231
<b>Gypsum products sold, value</b> <sup>4</sup> .....	205	319	361	420	353	561	633	623	514	650
Uncalcined uses, quantity.....	2,218	2,938	3,716	4,577	4,258	5,195	5,719	5,882	4,904	5,031
Value.....	8	11	15	20	21	27	31	39	33	36
Industrial uses, quantity.....	266	299	284	319	284	299	353	326	294	305
Value.....	5	6	6	8	9	11	14	15	15	16
Building uses, value.....	193	302	339	391	323	523	588	570	466	598

<sup>1</sup> Each mine, plant, or combination mine and plant is counted as 1 establishment.

<sup>2</sup> Excludes byproduct gypsum. <sup>3</sup> Amount mined, plus imports minus exports.

<sup>4</sup> Made from domestic, imported, and byproduct gypsum.

## No. 1294. SAND AND GRAVEL—QUANTITY SOLD AND VALUE: 1960 TO 1975

[Quantities in millions of short tons. See also *Historical Statistics, Colonial Times to 1970*, series M 193]

ITEM	1960	1965	1970	1971	1972	1973	1974	1975
Total sold or used by producers <sup>1</sup> .....	710	908	944	920	914	984	905	789
Processed sand.....	227	284	321	328	330	347	323	265
Processed gravel.....	415	481	517	484	462	510	404	354
Unprocessed sand and gravel.....	50	118	77	82	92	98	149	143
Total value.....	720	957	1,116	1,149	1,201	1,359	1,417	1,340
Average per ton.....	1.01	1.05	1.18	1.25	1.31	1.38	1.57	1.79
Use:								
Construction.....	692	883	915	894	884	955	876	762
Industrial sand and gravel.....	18	25	29	26	30	29	29	27
Type of project:								
Commercial.....	523	656	782	773	786	847	679	556
Publicly funded.....	187	252	212	147	128	137	226	233
Number of operations.....	(NA)	(NA)	5,918	5,738	5,384	5,681	6,967	7,014
Employment.....	1,000	52.0	53.0	45.5	44.0	43.0	39.0	40.0

NA. Not available. <sup>1</sup> Includes industrial sand and gravel shown below.

<sup>2</sup> Estimate.

Source of tables 1292-1294: U.S. Bureau of Mines, *Minerals Yearbook*.

## Mining and Mineral Products

NO. 1295. STONE—QUANTITY SOLD OR USED BY PRODUCERS, AND VALUE: 1960 TO 1976

[See *Historical Statistics, Colonial Times to 1970*, series M 194, for total quantity]

KIND OF STONE	QUANTITY SOLD OR USED <sup>1</sup> (mil. short tons)							VALUE (mil. dol.)						
	1960	1965	1970	1973	1974	1975	1976	1960	1965	1970	1973	1974	1975	1976
	Total <sup>2</sup>	617	780	869	1,060	1,044	901	902	953	1,204	1,470	1,990	2,186	2,120
Granite.....	43	60	87	121	119	95	99	90	121	183	263	290	271	296
Basalt <sup>3</sup> .....	58	76	77	84	97	78	75	88	121	147	178	218	193	193
Sandstone.....	21	29	24	31	31	27	27	49	62	59	78	87	85	89
Marble.....	2	2	2	2	2	2	2	31	39	34	34	42	32	31
Limestone.....	451	555	626	775	752	665	663	623	766	961	1,334	1,446	1,437	1,516
Other stone.....	21	34	29	26	23	18	18	28	46	40	51	43	37	42
Shell.....	19	22	22	20	18	15	14	34	34	31	38	44	53	37
Slate.....	1	1	1	2	1	1	1	9	14	13	16	17	12	13

<sup>1</sup> Quantities of stone not sold by short tons are expressed in approximate short ton equivalents.

<sup>2</sup> Includes calcareous marl, not shown separately. <sup>3</sup> Includes related rocks.

NO. 1296. LIME—QUANTITY SOLD OR USED BY PRODUCERS: 1960 TO 1976

[Quantities in thousands of short tons. See also *Historical Statistics, Colonial Times to 1970*, series M 191-192]

ITEM	1960	1965	1970	1971	1972	1973	1974	1975	1976
Active plants.....number	157	212	194	187	185	175	172	171	163
Quantity sold <sup>1</sup> .....	12,935	16,794	19,747	19,591	20,290	21,090	21,606	19,133	20,229
Value.....mil. dol.	173	233	238	308	334	386	474	524	609
Per ton.....dollars	13.35	13.87	14.49	15.73	16.72	17.35	21.92	27.38	30.11
Open-market lime.....	8,189	10,449	12,718	12,337	13,353	14,394	14,640	12,840	14,024
Captive tonnage lime.....	2,474	6,345	7,029	7,254	6,937	6,696	6,966	6,292	6,205
Quicklime.....	8,271	12,009	15,248	15,138	16,611	17,230	17,795	15,875	16,924
Hydrated.....	2,715	5,609	3,126	3,446	2,604	2,610	2,533	2,344	2,298
Dead-burned dolomite.....	1,949	2,176	1,373	1,007	1,075	1,250	1,278	914	1,007
By use:									
Agricultural.....	187	217	142	80	137	140	109	97	136
Building.....	1,209	1,477	(D)	(D)	1,586	1,611	1,463	1,275	1,267
Chemical and industrial.....	9,591	12,924	(D)	(D)	17,492	18,131	18,089	18,757	17,819
Refractory <sup>3</sup> .....	1,949	2,176	1,373	1,007	1,075	1,250	1,277	914	1,007

D Withheld to avoid disclosing individual company data. <sup>1</sup> Includes quantity used by producers.

<sup>2</sup> Incomplete; only partial coverage of captive plants. <sup>3</sup> Dead-burned dolomite.

NO. 1297. PHOSPHATE ROCK—SUMMARY: 1960 TO 1976

[Quantities in thousands of short tons. See also *Historical Statistics, Colonial Times to 1970*, series M 203-204]

ITEM	1960	1965	1970	1971	1972	1973	1974	1975	1976
Mine production.....	60,858	84,305	125,514	127,752	126,651	139,713	155,847	187,516	170,097
P <sub>2</sub> O <sub>5</sub> content.....	9,276	14,320	18,634	18,926	18,557	19,013	20,753	23,483	20,060
Marketable production.....	19,618	29,482	38,739	38,886	40,831	42,137	45,686	48,816	49,241
P <sub>2</sub> O <sub>5</sub> content.....	6,096	9,132	11,998	12,185	12,839	13,106	14,053	15,028	15,118
Value.....mil. dol.	117.0	193.3	203.2	208.8	210.9	238.7	501.4	1,122.2	949.4
Per ton.....dollars	5.97	6.55	5.25	5.24	5.09	5.66	10.98	22.99	19.28
Sold or used by producers.....	19,266	29,039	38,765	40,291	43,755	45,043	48,435	46,439	44,877
P <sub>2</sub> O <sub>5</sub> content.....	5,994	9,015	12,066	12,553	13,753	13,972	14,946	14,270	13,677
Value.....mil. dol.	115.4	188.6	203.8	212.0	223.0	254.8	529.1	1,053.0	857.2
Per ton.....dollars	5.99	6.49	5.26	5.10	5.66	10.92	22.67	19.19	
Imports for consumption <sup>1</sup> .....	144	148	136	84	55	65	182	36	51
Value.....mil. dol.	3.8	3.0	3.8	2.5	1.4	1.3	9.0	1.6	2.2
Per ton.....dollars	26.07	20.14	27.87	29.50	25.75	19.82	49.45	43.83	43.59
Exports.....	4,473	7,323	11,738	12,587	14,275	13,875	13,897	12,272	10,400
P <sub>2</sub> O <sub>5</sub> content.....	1,445	2,313	3,796	4,126	4,673	4,502	4,468	3,955	3,332
Value.....mil. dol.	26.6	51.1	60.0	64.8	75.4	83.0	194.0	429.2	272.8
Per ton.....dollars	5.95	6.98	5.11	5.15	5.28	5.98	13.96	34.98	26.23
Consumption, apparent <sup>2</sup> .....	14,937	21,864	27,163	27,788	29,535	31,233	34,720	34,203	34,328
World production.....	46,110	70,298	93,635	92,508	98,981	108,858	119,898	118,586	116,500

<sup>1</sup> Data on P<sub>2</sub>O<sub>5</sub> content not available. <sup>2</sup> Amount sold or used plus imports minus exports.

<sup>3</sup> Preliminary.

Source of tables 1295-1297: U.S. Bureau of Mines, *Minerals Yearbook*.

# Potash—Sulfur—Salt

759

## NO. 1298. POTASH—SUMMARY: 1960 TO 1976

[Quantities in thousands of short tons. See also *Historical Statistics, Colonial Times to 1970*, series M 201-202]

ITEM	1960	1965	1970	1971	1972	1973	1974	1975	1976
Production of potassium salts (marketable)	4,472	5,401	4,853	4,543	4,738	4,684	4,716	4,576	4,427
Approximate equivalent K <sub>2</sub> O	2,638	3,140	2,729	2,587	2,659	2,603	2,552	2,501	2,400
Value <sup>1</sup>	89.7	129.8	98.1	100.5	106.7	112.6	159.1	223.1	202.4
mil. dol.									
Sales of potassium salts by producers	4,412	5,027	4,703	4,578	4,653	5,174	4,708	3,819	4,612
Approximate equivalent K <sub>2</sub> O	2,602	2,931	2,669	2,592	2,618	2,865	2,545	2,094	2,500
Value at plant	88.4	121.2	92.4	102.1	104.7	123.7	158.6	187.9	210.8
Per ton	20.04	24.10	19.64	22.30	22.50	23.92	33.69	49.19	45.71
dollars									
Imports for consumption of potash materials	415	1,867	4,403	4,672	4,979	6,046	7,245	6,271	7,578
Approximate equivalent K <sub>2</sub> O	226	1,108	2,605	2,766	2,961	3,587	4,326	3,797	4,594
Value	15.4	52.7	94.7	111.8	119.7	145.7	236.7	267.2	344.2
mil. dol.									
Exports of potash materials	833	1,099	966	1,033	1,263	1,579	1,415	1,419	1,670
Approximate equivalent K <sub>2</sub> O	491	648	544	564	764	889	787	779	945
Value	25.9	42.5	28.5	35.3	45.9	58.0	66.2	92.7	91.9
mil. dol.									
Apparent consumption of potassium salts <sup>2</sup>	3,994	5,795	8,140	8,217	8,270	9,641	10,538	8,671	10,520
Approximate equivalent K <sub>2</sub> O	2,337	3,391	4,730	4,794	4,815	5,563	6,084	5,112	6,149
World production (marketable), approximate equivalent K <sub>2</sub> O	10,000	15,100	20,553	21,945	20,841	23,585	26,432	27,423	27,500

<sup>1</sup> Derived from reported value of amount sold or used.

<sup>2</sup> Amount sold or used plus imports minus exports.

## NO. 1299. SULFUR—SUMMARY: 1960 TO 1976

[Quantities in thousands of long tons. Excludes Alaska, Hawaii, and Puerto Rico, except for imports and exports. See also *Historical Statistics, Colonial Times to 1970*, series M 195-199]

ITEM	1960	1965	1970	1971	1972	1973	1974	1975	1976
Production, sulfur, all forms <sup>1</sup>	6,661	8,196	9,557	9,580	10,218	10,921	11,419	11,259	10,679
Sulfur from Frasch mines	5,037	6,116	7,082	7,025	7,290	7,605	7,001	7,211	6,264
Recovered elemental sulfur	767	1,215	1,457	1,595	1,950	2,416	2,632	2,969	3,110
Pyrites, sulfur content only	416	364	339	316	283	212	162	237	286
Gross weight of total pyrites	1,016	875	845	808	741	559	424	625	750
Byproduct sulfuric acid <sup>2</sup> (sulfur content)	345	388	537	518	546	600	654	767	942
Shipments, Frasch mines	5,130	6,938	6,504	6,738	7,613	7,438	7,898	6,077	5,860
Approximate value	118	158	154	118	132	139	241	305	300
Avg. value per long ton	23.08	22.71	23.65	17.50	17.39	18.63	30.52	50.16	51.19
Imports for consumption:									
Crude sulfur	741	1,486	1,537	1,299	1,138	1,222	2,150	1,897	1,727
Pyrites, sulfur content <sup>3</sup>	146	160	130	130	50	—	—	—	—
Exports, sulfur	1,787	2,635	1,433	1,536	1,852	1,776	2,663	1,352	1,270

<sup>1</sup> Represents zero. <sup>2</sup> Includes other byproduct sulfur compounds, not shown separately.

<sup>2</sup> Produced at copper, lead, and zinc plants. <sup>3</sup> Estimate.

## NO. 1300. SALT—SUMMARY: 1960 TO 1976

[In thousands of short tons, except value. Prior to 1970, production includes Puerto Rico. See *Historical Statistics, Colonial Times to 1970*, series M 28 and M 200, for value and production]

ITEM AND STATE	1960	1965	1970	1971	1972	1973	1974	1975	1976
Production <sup>1</sup>	25,479	34,687	45,896	44,077	45,022	43,910	46,536	41,030	44,191
Louisiana	4,792	8,126	13,584	13,352	13,514	13,152	13,543	12,166	13,491
Michigan	4,088	4,171	4,890	4,458	4,358	4,818	4,445	4,020	4,219
New York	4,008	5,002	5,990	5,303	5,604	5,202	6,464	5,978	6,495
Ohio	3,108	5,026	5,329	5,709	6,147	4,657	5,029	5,083	5,052
Texas	4,756	6,964	10,184	9,217	9,744	10,354	11,379	8,560	9,718
Other States	4,727	5,398	5,910	6,037	5,655	5,727	5,676	5,223	5,216
Evaporated (manufactured)	4,104	4,925	5,498	5,928	5,850	5,884	5,922	5,345	5,607
In brine	14,911	19,952	26,228	24,449	24,737	25,680	25,779	21,401	22,917
Rock salt	6,466	9,810	14,170	13,700	14,434	12,347	14,835	14,288	15,668
Total value <sup>2</sup>	161	216	305	304	297	306	361	368	431
mil. dol.									
Exports	420	688	423	670	869	609	521	1,332	1,007
Imports for consumption	1,057	2,410	3,536	3,855	3,463	3,207	3,358	3,215	4,352

<sup>1</sup> Represents sales plus quantities used by producers.

<sup>2</sup> F.o.b. mine or refinery; excludes cost of cooperage or containers.

Source of tables 1298-1300: U.S. Bureau of Mines, *Minerals Yearbook*.

## Mining and Mineral Products

## No. 1301. IRON ORE—SUMMARY: 1960 TO 1976

[In thousands of long tons, except as indicated. Excludes Alaska, Hawaii, and Puerto Rico, except for imports and exports. See also *Historical Statistics, Colonial Times to 1970*, series M 205-211]

ITEM	1960	1965	1970	1971	1972	1973	1974	1975	1976, prel.
Production <sup>1</sup>	88,784	87,439	89,760	80,762	75,434	87,669	84,355	78,866	79,264
Lake Superior	71,792	66,432	69,636	64,034	61,550	72,416	70,723	66,735	67,286
Northeastern	4,125	5,173	3,491	3,158	2,612	2,608	2,358	1,860	1,925
Western	4,583	13,065	14,314	12,328	10,528	12,035	10,496	9,643	9,634
Hematite <sup>2</sup>	68,147	47,043	33,584	27,345	21,595	28,224	24,052	19,244	(NA)
Magnetite <sup>3</sup>	18,205	36,927	53,792	51,294	52,344	58,089	58,813	58,395	(NA)
Other	2,432	3,469	2,381	2,123	1,494	1,356	1,490	1,226	(NA)
Number of mines	247	183	74	74	58	58	66	67	60
Shipments <sup>4</sup>	82,963	84,073	87,176	77,106	77,885	90,863	85,112	75,695	77,216
Value <sup>5</sup>	724	801	942	891	950	1,166	1,391	1,621	1,800
Avg. per ton at mine <sup>6</sup>	8.73	9.53	10.80	11.55	12.20	12.84	16.34	21.41	23.50
Stocks, Dec. 31 <sup>7</sup>	12,337	12,667	15,316	17,653	14,879	10,876	9,405	12,299	14,026
Imports <sup>8</sup>	34,578	45,103	44,891	40,124	35,761	43,296	48,029	46,743	44,390
Value	322	444	480	451	416	533	696	860	980
Exports	5,278	7,085	5,492	3,061	2,095	2,747	2,323	2,537	2,914
Value	58	80	68	38	27	38	35	60	82
World production <sup>6</sup> , mil. lg. tons	514	611	754	773	757	851	879	880	873

NA. Not available. <sup>1</sup> Includes Southeastern district and byproduct ore, not shown separately. For 1976, Northeastern and Western include byproduct ore. <sup>2</sup> Includes undistributed. <sup>3</sup> Predominant mineral.

<sup>4</sup> Includes brown ore from Tenn., Mo., and Tex.; also magnetite from Calif., Utah, and Wyo.

<sup>5</sup> Excludes byproduct ore. <sup>6</sup> Estimated. <sup>7</sup> At mines. <sup>8</sup> For consumption.

Source: U.S. Bureau of Mines, *Minerals Yearbook*.

## No. 1302. PIG IRON AND FERROALLOYS—SUMMARY: 1960 TO 1976

[In thousands of short tons, except furnaces]

ITEM	1960	1965	1970	1971	1972	1973	1974	1975	1976
Blast furnaces, number, Jan. 1	263	239	228	219	216	216	206	199	196
Number in blast, Jan. 1	229	191	189	152	126	141	163	136	119
Blast furnace production	67,320	88,859	91,816	81,692	89,400	101,208	95,909	79,923	86,870
Total production	68,566	90,918	93,470	83,468	91,338	103,089	97,778	81,200	88,449
Basic	58,261	80,431	86,438	77,341	83,961	96,202	91,193	75,911	82,894
Bessemer and low-phosphorus	3,791	2,936	1,593	1,360	1,441	1,343	1,206	1,227	1,262
Foundry (incl. ferrosilicon) <sup>1</sup>	2,152	2,303	2,257	1,214	1,977	1,581	1,528	1,321	1,489
All other <sup>1</sup>	4,362	5,248	3,182	3,553	3,959	3,963	3,851	2,741	2,804
Production of pig iron: <sup>2</sup>									
Alabama	3,541	4,290	4,654	3,945	4,086	3,817	3,872	3,638	3,297
Illinois	5,307	6,294	7,401	6,443	7,201	7,902	7,170	5,228	6,432
Indiana	8,404	11,020	13,348	12,696	15,330	17,128	16,998	15,656	17,439
New York	4,205	6,100	5,569	4,195	3,997	5,397	4,671	3,299	4,362
Ohio	11,788	15,407	15,554	13,695	16,359	18,391	17,439	14,115	15,754
Pennsylvania	16,533	21,780	20,768	18,786	20,357	22,646	22,168	17,593	18,025
Other	16,703	23,285	24,141	21,539	21,612	25,556	23,591	20,394	21,561

<sup>1</sup> For 1960, silvery pig iron included in "Foundry"; thereafter, in "All other." Beginning 1974, includes blast furnace ferroalloys.

Source: American Iron and Steel Institute, Washington, D.C., *Annual Statistical Report*. (Copyright.)

## No. 1303. MOLYBDENUM CONCENTRATES—SUMMARY: 1960 TO 1976

[In millions of pounds of contained molybdenum, except as indicated. See *Historical Statistics, Colonial Times to 1970*, series M 227-228, for production and exports of ores and concentrates]

ITEM	1960	1965	1970	1971	1972	1973	1974	1975	1976 <sup>1</sup>
Production	68.2	77.4	111.4	109.6	112.1	115.9	112.0	106.0	112.6
Shipments from mines	69.9	77.3	110.4	97.9	102.2	135.1	118.2	105.2	111.9
Average price per pound <sup>2</sup> , dol.	1.25	1.55	1.72	1.72	1.72	2.02	2.02	2.48	2.94
Exports <sup>3</sup> , <sup>4</sup>	30.2	24.1	55.7	46.3	45.4	74.0	78.7	62.6	62.5
Imports for consumption <sup>4</sup>	-	-	(2)	.9	.4	.5	.2	2.6	2.1
Consumption	44.8	68.1	76.1	66.4	62.6	82.5	91.7	90.0	85.0
Stocks (industry), Dec. 31 <sup>5</sup>	3.5	4.2	9.7	29.1	45.2	22.0	18.7	10.7	9.7
World production, estimate <sup>6</sup>	89.1	98.5	161.1	149.9	156.7	161.4	166.3	155.3	165.7

<sup>1</sup> Represents zero. <sup>2</sup> Less than 50,000 pounds. <sup>3</sup> Preliminary.

<sup>4</sup> Of molybdenum included in concentrate, f.o.b., Climax, Colorado. <sup>5</sup> Includes roasted concentrates.

<sup>6</sup> Includes Alaska, Hawaii, and Puerto Rico.

<sup>7</sup> Beginning 1965, free world.

Source: U.S. Bureau of Mines, *Minerals Yearbook*.

# Copper—Gold and Silver

761

## No. 1304. COPPER—SUMMARY: 1960 TO 1976

[In thousands of short tons, except as indicated. Excludes Hawaii and Puerto Rico, except for imports and exports. See also *Historical Statistics, Colonial Times to 1970*, series M 235–241]

ITEM	1960	1965	1970	1971	1972	1973	1974	1975	1976, prel.
New (primary) copper produced—									
Mines (from domestic ores).....	1,080	1,352	1,720	1,522	1,665	1,718	1,597	1,413	1,611
Copper ore produced <sup>1</sup> ....mil. sh. tons.....	135	173	258	243	267	290	293	263	(NA)
Average yield of copper—percent.....	.73	.70	.59	.55	.55	.53	.49	.47	(NA)
Smelters (from domestic ores).....	1,143	1,403	1,605	1,471	1,649	1,705	1,532	1,374	1,461
Percent of world total.....	23	23	24	22	22	19	19	18	(NA)
Refineries (from domestic ores).....	1,121	1,336	1,521	1,411	1,680	1,698	1,421	1,286	1,421
From foreign ores, matte, etc., refinery reports.....	398	376	244	181	193	170	234	157	117
Total new refined, domestic and foreign.....	1,519	1,712	1,765	1,592	1,873	1,868	1,655	1,443	1,537
Secondary copper produced.....	871	1,253	1,248	1,200	1,301	1,377	1,344	972	1,106
Recovered from old scrap only.....	429	513	504	445	458	486	483	369	398
Imports (unmanufactured) <sup>2</sup> .....	524	523	392	359	416	421	609	324	537
Refined.....	143	137	132	164	192	203	314	147	384
Exports (unmanufactured) <sup>3</sup> .....	508	372	307	243	236	278	191	234	173
Exports of metallic copper <sup>4</sup> .....	510	379	274	263	242	285	244	303	216
Refined.....	434	325	221	188	183	189	127	172	113
Stocks (producers), Dec. 31.....	359	281	470	378	338	302	425	519	511
Mine production of primary copper.....	1,080	1,352	1,720	1,522	1,665	1,718	1,597	1,413	1,611
Arizona.....	539	703	918	820	900	927	850	813	1,013
Montana.....	92	115	120	89	123	132	131	88	106
New Mexico.....	67	99	166	157	168	205	197	146	175
Utah.....	218	259	296	263	260	257	231	177	186
Other States.....	163	175	220	193	205	197	180	189	131
Average price <sup>5</sup> .....cents per pound.....	32.1	35.4	58.2	52.0	51.2	59.5	77.3	64.2	69.6
World smelter production, new copper.....	5,040	6,105	6,752	6,592	7,405	7,878	8,111	7,780	(NA)

NA. Not available. <sup>1</sup> Includes old tailings, smelted or retreated. Not comparable with mine production figures which include recoverable copper content of ores not classified as "copper."

<sup>2</sup> Includes copper imported for immediate consumption plus material entering country under bond.

<sup>3</sup> Comprises copper in ores and concentrates, matte, refined, blister, and scrap.

<sup>4</sup> Comprises refined, semimanufactures, and scrap. <sup>5</sup> Domestic producers.

## No. 1305. GOLD AND SILVER—SUMMARY: 1950 TO 1976

[See *Historical Statistics, Colonial Times to 1970*, series M 268–269, for mine production]

ITEM	1950	1955	1960	1965	1970	1972	1973	1974	1975	1976
Gold production.....mil. fine oz.....	2.4	1.9	1.7	1.7	1.7	1.4	1.2	1.1	1.1	1.0
Value.....mil. dol.....	84	66	58	60	63	85	115	180	170	130
Silver production.....mil. fine oz.....	42	37	31	40	45	37	37	34	35	34
Value.....mil. dol.....	38	34	28	51	80	63	96	159	154	149
Tons of ore produced: <sup>1</sup>										
Gold ore.....1,000	3,584	2,234	2,267	3,113	3,687	3,316	4,715	4,598	5,722	(NA)
Silver ore <sup>2</sup> .....1,000	1,080	690	988	958	934	737	717	758	919	(NA)
Net industrial consumption:										
Gold.....mil. fine oz.....	98	46	105	185	217	427	658	743	645	571
Silver.....mil. fine oz.....	110	101	102	137	128	152	196	176	158	169
Imports: Gold.....mil. dol.....	163	104	335	102	237	358	356	397	457	331
Silver.....mil. dol.....	79	71	54	63	104	102	330	624	395	378
Exports: Gold.....mil. dol.....	514	7	2	1,285	38	63	146	228	493	375
Silver.....mil. dol.....	4	4	27	51	49	49	28	82	148	61
Avg. price per fine oz.: <sup>4</sup>										
Gold.....dol.....	35.00	35.00	35.00	35.00	36.41	58.60	97.81	159.74	161.49	125.32
Silver.....dol.....	.91	.91	.91	1.29	1.77	1.69	2.56	4.71	4.42	4.37
World production (estimate):										
Gold.....mil. fine oz.....	28.3	30.4	37.8	46.2	47.4	44.8	43.3	39.9	38.6	39.1
Silver.....mil. fine oz.....	203	224	241	257	301	302	308	295	293	303
Gold production, by State: <sup>5</sup>										
Nevada.....1,000 fine oz.....	170	77	66	205	480	420	260	299	333	284
South Dakota.....1,000 fine oz.....	572	527	551	656	579	407	358	344	305	310
Utah.....1,000 fine oz.....	392	442	314	389	408	362	307	255	190	187
Silver production: <sup>6</sup>										
Idaho.....1,000 fine oz.....	15,993	14,000	17,814	18,100	19,115	14,251	13,620	12,436	13,868	11,551
Arizona.....1,000 fine oz.....	5,089	4,600	5,338	6,100	7,230	6,653	7,199	6,356	6,286	7,297
Utah.....1,000 fine oz.....	6,790	6,270	5,132	5,241	6,030	4,300	3,619	3,208	2,822	3,008
Colorado.....1,000 fine oz.....	3,343	2,510	2,070	2,003	2,933	3,664	3,598	2,784	3,366	3,906

NA. Not available. <sup>1</sup> Gold and silver are also produced from base-metal ores and placers. In 1975, those sources accounted for 38 percent of gold produced and 65 percent of silver. <sup>2</sup> Includes gold-silver ore.

<sup>3</sup> Excludes coinage.

<sup>4</sup> Selling price, except New York price for silver, beginning 1965.

<sup>5</sup> Source: 1950–1965, U.S. Bureau of the Mint, *Annual Report of the Director*.

<sup>6</sup> Refinery production.

Source of tables 1304 and 1305: Except as noted, U.S. Bureau of Mines, *Minerals Yearbook*.

## NO. 1306. LEAD—SUMMARY: 1960 TO 1976

[In thousands of short tons, except as indicated. Excludes Alaska, Hawaii, and Puerto Rico, except for imports and exports and as noted. See also *Historical Statistics, Colonial Times to 1970*, series M 242-248]

ITEM	1960	1965	1970	1971	1972	1973	1974	1975	1976, prel.
<b>Smelter production of refined primary lead.</b>	382	418	667	650	680	674	673	636	653
Domestic ores and base bullion <sup>1</sup> .	229	305	528	573	577	567	580	530	569
Foreign ores and base bullion.	154	113	139	77	103	107	93	106	84
Recovery of secondary lead.	470	576	597	597	617	654	699	658	680
<b>Imports, general:</b>									
Lead in pigs, bars, and old.	214	227	251	199	246	181	120	106	146
Lead in ores and matte.	146	123	112	66	101	110	94	88	76
Exports of refined pig lead <sup>2</sup> .	2	8	8	6	8	67	62	21	6
<b>Consumption of metal, primary and secondary.</b>	1,021	1,241	1,361	1,432	1,485	1,541	1,599	1,297	1,429
<b>Average price, common lead:</b>									
New York cents per lb.	11.95	16.00	15.69	13.89	15.03	16.29	22.53	21.53	23.10
London cents per lb.	9.04	14.37	13.76	11.52	13.68	19.47	26.83	18.73	20.46
<b>Mine production of recoverable lead<sup>3</sup>.</b>	247	301	572	579	619	603	664	621	610
Value <sup>4</sup> mil. dol.	58	94	179	160	186	196	299	267	282
<b>World smelter production, est.</b>	2,550	2,911	3,628	3,591	3,723	3,838	3,858	3,714	3,760

<sup>1</sup> Excludes lead content of antimonial lead.   <sup>2</sup> Pigs, bars, and anodes.   <sup>3</sup> Includes Alaska.

## NO. 1307. NICKEL—SUMMARY: 1960 TO 1976

[Quantities in thousands of short tons. Excludes Alaska, Hawaii, and Puerto Rico, except for imports and exports  
See also *Historical Statistics, Colonial Times to 1970*, series M 231-234]

ITEM	1960	1965	1970	1971	1972	1973	1974	1975	1976, prel.
<b>Mine production.</b>	14	16	16	17	17	18	17	17	17
Plant production: Primary.	14	14	16	16	16	14	14	14	14
Secondary <sup>1</sup> .	27	51	49	63	67	66	65	42	47
Imports for consumption (est. nickel content).	103	163	156	142	174	190	221	161	170
Exports (gross weight).	54	21	31	26	22	22	30	31	30
Consumption.	108	172	156	129	159	198	208	146	162
Stocks (consumer), Dec. 31.	11	14	25	16	26	29	45	35	24
Price per pound <sup>2</sup> cents.	74	79	133	133	153	153	201	220	241
<b>World production, est.</b>	353	468	693	702	674	757	826	900	880

<sup>1</sup> Includes nickel recovered from iron and steel scrap.   <sup>2</sup> Peak price quoted U.S. buyers by International Nickel Co., Inc., for electrolytic nickel, U.S. duty included, f.o.b. Port Colborne, Ontario.

## NO. 1308. TIN—SUMMARY: 1960 TO 1976

[In long tons, except as indicated. Excludes Alaska, Hawaii, and Puerto Rico, except for imports and exports]

ITEM	1960	1965	1970	1971	1972	1973	1974	1975	1976, prel.
<b>Production:</b>									
Domestic smelters.	(D)	3,098	(D)	4,000	4,300	4,800	6,000	6,397	5,905
Secondary sources.	22,050	25,075	20,001	20,096	20,180	20,477	18,897	15,605	15,255
<b>Imports for consumption:</b>									
Metal.	39,538	40,816	50,553	46,939	52,451	45,845	39,602	43,665	46,257
Ore (tin content).	14,026	4,236	4,667	3,060	4,216	4,798	5,877	6,314	5,905
Exports.	857	2,829	4,452	2,262	1,134	3,406	8,415	3,539	1,870
Monthly price of Straits tin at New York, average cents per pound.	101	178	174	167	177	228	396	340	380
Consumption, 1,000 lg. tons.	81	84	74	70	69	75	65	55	64
World mine production, est.									
1,000 lg. tons.	180	201	228	232	240	234	230	221	227

D Withheld to avoid disclosure of individual company data.

Source of tables 1306-1308: U.S. Bureau of Mines, *Minerals Yearbook*.

# Tungsten—Uranium—Zinc

763

## NO. 1309. TUNGSTEN—SUMMARY: 1960 TO 1976

[Excludes Alaska and Hawaii. See *Historical Statistics, Colonial Times to 1970*, series M 225–226, for related data]

ITEM	1960	1965	1970	1971	1972	1973	1974	1975	1976, prel.
<b>Production:</b>									
Concentrates <sup>1</sup> .....	1,000 sh. tons	7.0	(D)	10.1	7.3	8.6	8.0	7.8	5.9
Tungsten content.....	. mil. lb.	6.7	(D)	9.6	6.9	8.2	7.6	7.4	5.6
<b>Shipments from mines:</b>									
Reported value f.o.b. mines.....	. mil. dol.	9.8	18.0	23.8	20.2	18.1	19.2	37.4	29.1
Average value per lb. of tungsten.....	. dollars	1.40	1.72	2.55	2.98	2.56	2.71	4.77	5.30
Imports, general (tungsten content).....	. mil. lb.	5.2	3.5	1.3	1.0	5.9	11.0	11.8	6.9
Consumption.....	. mil. lb.	11.6	13.9	16.7	11.6	14.1	15.4	16.3	14.0
Stocks <sup>2</sup> .....	. mil. lb.	5.5	1.8	2.2	3.5	4.2	1.7	2.1	2.5
World production.....	. mil. lb.	68.7	59.6	71.4	78.1	85.0	83.6	81.5	82.6

D Withheld to avoid disclosure of individual company data.

<sup>1</sup> 60% WO<sub>3</sub> basis. A short ton of 60% tungsten trioxide (WO<sub>3</sub>) contains 951.72 pounds of tungsten.

<sup>2</sup> Producers and consumers, end of year.

## NO. 1310. URANIUM—SUMMARY: 1960 TO 1976

[See also *Historical Statistics, Colonial Times to 1970*, series M 266–267]

ITEM	1960	1965	1970	1972	1973	1974	1975	1976, prel.
Mine ore shipments <sup>1</sup> .....	1,000 sh. tons	7,970	4,386	6,324	6,418	6,537	7,116	7,400
Value.....	. mil. dol.	152	84	94	104	2 <sup>1</sup> 06	2 <sup>1</sup> 13	(NA)
Recoverable content (U <sub>3</sub> O <sub>8</sub> ).....	1,000 lb.	34,511	19,727	24,376	25,758	25,803	23,227	22,935
Value <sup>1</sup> .....	. mil. dol.	297	158	148	162	2 <sup>1</sup> 68	193	241
Production, concentrate (U <sub>3</sub> O <sub>8</sub> ) <sup>1</sup> .....	sh. tons	17,766	10,341	12,905	12,900	13,235	11,528	11,600
Imports, concentrate (U <sub>3</sub> O <sub>8</sub> ) <sup>4</sup> .....	sh. tons	15,770	2,986	665	2,329	5,605	1,835	1,226
Value.....	. mil. dol.	(NA)	58	8	30	61	30	24
World production (U <sub>3</sub> O <sub>8</sub> ) <sup>3</sup> .....	sh. tons	41,130	20,589	24,161	25,625	25,486	23,832	25,034

NA Not available. <sup>1</sup> Receipts at mills. <sup>2</sup> Estimated.

<sup>3</sup> Based on estimated average market price for delivery during the year.

<sup>4</sup> Mainly for enrichment and export of enriched uranium product, 1965–76. <sup>5</sup> Excludes communist countries.

## NO. 1311. ZINC—PRODUCTION AND PRICES: 1960 TO 1976

[Quantities in thousands of short tons. Excludes Alaska and Hawaii. See *Historical Statistics, Colonial Times to 1970*, series M 249–250, for production]

ITEM AND STATE	1960	1965	1970	1971	1972	1973	1974	1975	1976, prel.
<b>Smelter production of primary slab zinc</b> .....	800	994	878	766	633	583	555	438	514
From domestic ores.....	334	551	404	404	401	399	347	308	389
From foreign ores.....	465	443	474	362	232	184	208	130	125
Value.....	. mil. dol.	205	291	236	247	225	241	399	380
Production of redistilled secondary slab zinc.....	69	84	77	81	74	83	79	58	64
Avg. price of common zinc.....cents per lb.	12.95	14.50	15.32	16.18	17.75	20.66	35.95	38.96	37.01
<b>Mine production, recoverable zinc</b> .....	435	611	534	503	478	479	500	469	477
Colorado.....	31	54	57	61	64	58	49	48	48
Idaho.....	37	58	41	45	39	46	39	41	47
Missouri.....	3	4	51	48	62	82	92	75	83
New Jersey.....	—	38	29	30	38	33	33	31	34
New York.....	66	70	59	63	61	81	93	77	74
Pennsylvania.....	14	28	30	27	18	19	20	21	22
Tennessee.....	91	122	118	119	102	64	86	83	81
Utah.....	35	28	35	26	22	17	13	20	22
Other States.....	158	209	114	84	72	79	75	73	66
World smelter production, est.....	3,335	4,353	5,321	5,220	5,656	5,877	6,022	5,499	5,900

— Represents zero.

Source of tables 1309–1311: U.S. Bureau of Mines, *Minerals Yearbook*.

## No. 1312. BAUXITE—SUMMARY: 1960 TO 1976

[In thousands of long tons, except as indicated. Imports and exports include Puerto Rico. See also *Historical Statistics, Colonial Times to 1970*, series M 256-257]

ITEM	1960	1965	1970	1971	1972	1973	1974	1975	1976, prel.
<b>Production:</b>									
Crude ore	2,409	1,990	2,522	2,419	2,200	2,287	2,370	2,164	2,308
Dried-bauxite equivalent	1,998	1,654	2,082	1,988	1,812	1,879	1,949	1,772	1,961
Value.....mil. dol.	21.1	18.6	30.1	28.5	23.2	26.6	25.7	25.1	27.5
<b>Shipments:<sup>1</sup></b>									
Gross weight (as shipped)	1,925	2,065	2,343	2,179	2,258	2,246	2,284	2,058	2,428
Dried-bauxite equivalent	1,654	1,785	2,078	1,963	2,017	2,005	2,021	1,836	1,987
Value.....mil. dol.	19.6	21.1	32.3	30.6	29.6	32.4	32.9	31.1	27.4
Imports for consumption <sup>2</sup>	8,739	11,199	12,620	12,634	11,976	12,778	14,308	10,782	12,629
Value.....mil. dol.	78.0	143.0	166.4	153.6	151.0	(NA)	(NA)	(NA)	(NA)
Exports (as shipped)	29	147	3	34	29	12	16	19	15
Value.....mil. dol.	2.6	10.7	.2	1.5	1.3	.3	1.2	1.7	1.3
World production, est.	27,205	36,849	56,873	61,143	63,921	69,244	76,810	73,939	74,800

N.A. Not available. <sup>1</sup> Shipments from mines and processing plants to consumers.

<sup>2</sup> Crude and dried. Figures for Jamaica, Haiti, and Dominican Republic adjusted to dry equivalent; other imports on "as shipped" basis.

## No. 1313. ALUMINUM—SUMMARY: 1960 TO 1976

[In thousands of short tons, except as indicated. Imports and exports include Puerto Rico. See also *Historical Statistics, Colonial Times to 1970*, series M 258-262]

ITEM	1960	1965	1970	1971	1972	1973	1974	1975	1976, prel.
<b>Total production:</b>									
Primary aluminum	2,344	3,395	4,757	4,739	5,067	5,567	5,896	4,859	5,384
Secondary aluminum <sup>1</sup>	2,014	2,754	3,976	3,925	4,122	4,529	4,903	3,879	4,251
From old scrap	329	641	781	816	946	1,040	993	980	1,133
From new scrap	63	160	146	169	189	197	212	283	341
Value <sup>2</sup> .....mil. dol.	1,201	1,651	2,644	2,626	2,585	2,731	3,683	3,728	4,789
Primary aluminum	1,030	1,338	2,191	2,154	2,085	2,206	3,006	2,976	3,785
Price.....cents per lb. <sup>3</sup>	26.0	24.5	28.7	29.0	28.3	25.3	34.1	39.8	44.7
Secondary aluminum	171	313	453	472	501	525	677	752	1,004
Imports for consumption <sup>4</sup>	196	620	468	690	794	614	620	550	785
Value.....mil. dol.	103	266	231	326	375	285	403	410	582
Exports <sup>5</sup>	384	815	612	293	329	561	524	439	481
Value.....mil. dol.	174	170	360	198	209	370	482	436	492
Net domestic shipments <sup>6</sup>	2,366	3,788	4,476	4,929	5,743	6,873	6,338	4,555	6,200
World production, est.	4,950	6,951	10,641	11,373	12,133	13,364	14,528	13,273	14,070

<sup>1</sup> Recoverable aluminum content. <sup>2</sup> Based on published producers' prices for primary metal. <sup>3</sup> Average of prices for 99+ percent primary aluminum, quoted by *American Metal Market*. <sup>4</sup> Crude and semicrude (including metal and alloys, plates, bars, etc., and scrap). <sup>5</sup> Compiled by Aluminum Association from data on net shipments of aluminum ingot and mill products. Includes changes in aluminum industry and government inventories and net trade.

## No. 1314. MAGNESIUM—SUMMARY: 1960 TO 1976

[In thousands of short tons, except as indicated. Imports and exports include Puerto Rico. See *Historical Statistics, Colonial Times to 1970*, series M 263-265, for production]

ITEM	1960	1965	1970	1972	1973	1974	1975	1976, prel.
<b>Production (ingot equiv.):</b>								
Primary magnesium	40.1	81.4	112.0	120.8	122.4	(D)	(D)	(D)
Secondary magnesium	10.3	13.6	12.0	15.7	17.6	14.9	27.3	30.0
Average price per pound, primary (quoted).....cents	35.25	35.25	35.25	37.25	38.25	41.25-75.00	82.00	87.00-92.00
Exports	4.5	17.8	35.7	17.6	39.6	46.4	32.6	14.0
Imports, metallic and scrap <sup>1</sup>	.4	2.6	3.3	4.5	3.3	5.3	7.9	13.0
Domestic consumption <sup>2</sup>	37.1	69.6	93.5	103.7	115.8	130.0	94.8	125.0
World primary production, est.	102.5	178.3	242.3	257.5	264.6	<sup>3</sup> 144.7	<sup>3</sup> 142.0	<sup>3</sup> 142.0

<sup>1</sup> D. Withheld to avoid disclosing individual company data. <sup>2</sup> Represents imports for consumption.

<sup>2</sup> Primary only. <sup>3</sup> Excludes U.S. production.

Source of tables 1312-1314: U.S. Bureau of Mines, *Minerals Yearbook*.

## Section 28

### Construction and Housing

This section presents data on the construction industry and on various indicators of its activity and costs; on housing units and their characteristics, occupants, and financing; and on low-rent public housing.

The principal source of these data is the Bureau of the Census, which issues the monthly *Construction Reports* series (see below); the *Current Housing Reports* series, which comprises the quarterly *Housing Vacancies*, the quarterly *Market Absorption of Apartments*, the *Annual Housing Survey*, and the irregularly-issued *Housing Characteristics*; and various reports of the censuses of housing and of construction industries. *Construction Review*, published monthly by the Bureau of Domestic Commerce, contains many of the census series and other construction statistics series from the Federal Government and private agencies. Other sources include the monthly *Dodge Construction Potentials* of F. W. Dodge Division, McGraw-Hill Information Systems Company, New York, N.Y., which presents State data on construction contracts; the Bureau of Economic Analysis for data on residential capital; the Federal Home Loan Bank Board and Veterans Administration for financial data; and the *Statistical Yearbook* of the Department of Housing and Urban Development.

**Construction.**—Censuses of the construction industry were first conducted by the Bureau of the Census for 1929, 1935, and 1939; the next census was taken for 1967. The latest census is for 1972.

The 1972 Census of Construction Industries defines a construction establishment as a relatively permanent place of business where the usual business activities related to construction were conducted (see 1972 edition of the *Standard Industrial Classification Manual* issued by the U.S. Office of Management and Budget.) Reports were required from all establishments with a payroll equivalent of 10 or more employees and all establishments operated by multi-establishment companies. Single-unit companies with a payroll equivalent of less than 10 employees were selected on the basis of a probability sample survey. In addition, limited data for more than 400,000 construction establishments without payroll were developed from Government administrative records.

Current construction statistics compiled by the Bureau of the Census appear in its *Construction Reports* series. Monthly statistics supplemented by quarterly or annual data are issued as parts of this series under the following subtitles: *Housing Starts* and *Housing Completions*, which presents data by type of unit and by 4 major census regions; *New One-Family Homes Sold and For Sale*, which provides statistics annually on physical and financial characteristics for all new one-family homes by the 4 major census regions; *Value of New Construction Put in Place*, which also includes monthly composite construction cost indexes, and a special supplement which contains historical data, 1947 to 1974; *Price Index of New One-Family Houses Sold*, which presents quarterly figures and annual regional data; *Housing Authorized by Building Permits and Public Contracts*, which covers approximately 14,000 permit-issuing jurisdictions in the United States. Statistics on expenditures by owners of residential properties are issued quarterly and annually in *Residential Alterations and Repairs*.

**Housing.**—From 1850 through 1930, the Bureau of the Census collected some housing data as part of its censuses of population and agriculture. Beginning in 1940, separate censuses of housing have been taken at 10-year intervals. For the 1970 census, data on year-round housing units were collected and issued on occupancy and structural characteristics, plumbing facilities, value, and rent.

Evaluation studies of the 1950, 1960, and 1970 censuses estimated erroneous omissions of occupied housing units at 2.9 percent, 2.4 percent, and 1.7 percent, respectively. The net undercount in the 1970 census is estimated at approximately 1.5 million housing units. The estimates for the various censuses are not strictly comparable due to differences in timing, procedures, and other factors. The census figures have not been adjusted to reflect the estimated undercounts.

The Annual Housing Survey (*Current Housing Reports*, Series H-150) which began in 1973 provides a current and ongoing series of data on selected housing and demographic characteristics. It is based on a national sample and on independent samples for 60 SMSA's selected to represent a cross section of the housing stock in these areas. Annual Housing Survey estimates are subject to both sampling and nonsampling errors; caution should, therefore, be used in making comparisons with 1970 census data.

**Housing units.**—In general, a housing unit is a group of rooms or a single room occupied or intended for occupancy as separate living quarters, that is, the occupants do not live and eat with any other persons in the structure, and there is either (1) direct access from the outside or through a common hall, or (2) complete kitchen facilities for the exclusive use of the occupants. Transient accommodations, barracks for workers, and institutional-type quarters are not counted as housing units.

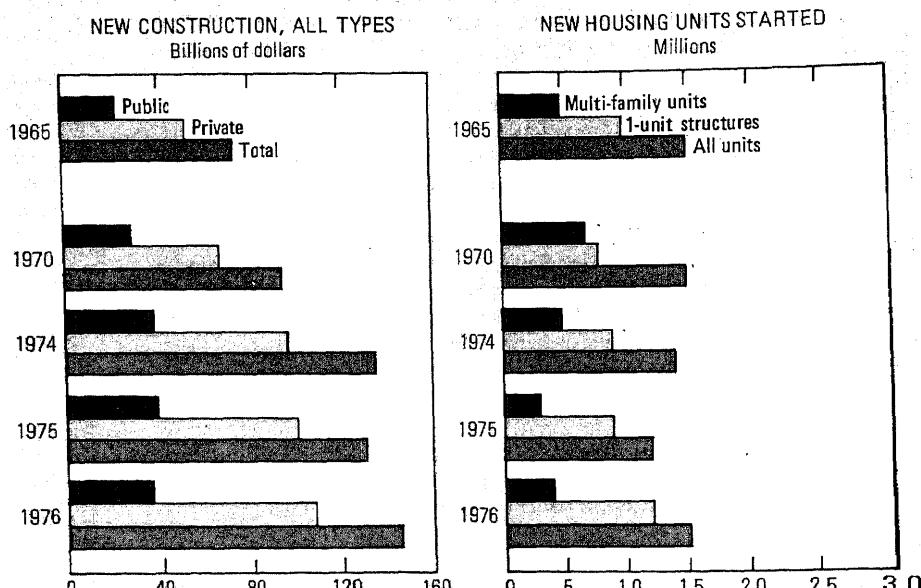
**Residential financing.**—Data on residential mortgages has been collected continuously from 1890 to 1970, except 1930, as part of the decennial census by the Bureau of the Census. Since 1973, mortgage status data, which are limited to single family homes on less than ten acres with no business on the property, have been found in the Annual Housing Survey (see above).

Data on home mortgages are provided by the Federal Home Loan Bank Board. The Department of Housing and Urban Development provided data on the gross flow of long-term mortgage loans in its study, *The Supply of Mortgage Credit, 1970-1974*. Data on FHA-insured mortgages and VA-guaranteed loans is also presented.

**Historical statistics.**—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix I.

**Fig. 28-1. NEW CONSTRUCTION—VALUE OF TOTAL CONSTRUCTION  
AND HOUSING UNITS STARTED: 1965 TO 1976**

(See tables 1315 and 1326)



## Value of New Construction

767

## NO. 1315. VALUE OF NEW CONSTRUCTION PUT IN PLACE: 1960 TO 1976

[In millions of dollars, except percent. Represents value of construction put in place during year; differs from building permit and construction contract data in timing and coverage. Includes installed cost of normal building services equipment and selected types of industrial production equipment (largely site fabricated). Excludes cost of shipbuilding, land, and most types of machinery and equipment. See also *Historical Statistics, Colonial Times to 1970*, series N 1-29 and N 66-69.]

ITEM	1960	1965	1970	1971	1972	1973	1974	1975	1976
Total	54,738	73,747	94,855	109,950	124,085	137,917	138,526	132,043	144,821
Avg. annual percent change <sup>1</sup>	-1.2	6.1	5.2	15.9	12.9	11.1	.4	-4.7	9.7
Private	38,875	51,685	66,759	80,079	93,901	105,412	100,179	93,034	108,424
Percent of total	71.0	70.1	70.4	72.8	75.7	76.4	72.3	70.5	74.9
Residential buildings (including farm)	22,975	27,934	31,864	43,267	54,288	59,727	50,378	46,476	59,948
New housing units	17,279	21,712	24,272	33,061	44,879	50,057	49,645	34,412	46,749
1 unit structures	14,648	15,705	14,754	22,202	27,632	30,649	26,294	27,425	39,256
2 or more unit structures	2,631	6,007	9,518	12,864	17,247	19,438	24,351	6,987	7,223
Additions and alterations	4,831	4,736	6,234	6,807	7,420	7,274	8,046	10,924	12,308
Nonhousekeeping	865	1,486	1,358	1,394	1,989	2,366	1,687	1,140	891
Nonresidential buildings	10,149	16,509	21,417	22,479	24,038	27,584	29,644	26,406	25,748
Industrial	2,851	(NA)	6,538	5,423	4,676	6,243	7,902	8,017	6,910
Commercial	4,180	(NA)	9,754	11,619	13,464	15,453	15,945	12,804	12,586
Religious	1,013	(NA)	931	813	844	814	919	868	979
Educational	566	(NA)	865	943	968	837	656	567	668
Hospital and institutional	605	(NA)	2,529	2,884	3,172	3,152	3,204	3,210	3,506
Other nonresidential bldgs.	934	(NA)	800	817	914	1,085	1,018	940	1,099
Farm (nonresidential)	849	1,038	1,512	1,557	1,432	2,003	2,533	2,326	2,335
Public utilities	4,821	5,788	11,020	11,783	13,202	15,185	16,625	16,759	19,315
Telephone and telegraph	1,088	1,463	2,958	3,005	3,302	3,967	4,279	3,689	3,767
Other public utilities	3,533	4,325	8,052	8,778	9,900	11,218	12,346	13,070	15,548
Railroads	270	310	306	291	359	422	575	443	555
Electric light and power	2,026	2,589	5,808	6,725	7,582	8,778	9,246	9,020	10,340
Gas	1,105	1,304	1,653	1,334	1,675	1,709	1,739	1,748	1,988
Petroleum pipelines	132	122	285	428	284	309	788	1,859	2,665
All other private	281	416	946	998	941	913	999	1,067	1,078
Public	15,863	22,062	28,096	29,871	30,184	32,505	38,347	39,009	36,397
Percent of total	29.0	29.9	29.6	27.2	24.3	23.6	27.7	29.5	25.1
Buildings	5,511	7,893	10,657	11,391	11,500	12,995	14,993	14,616	12,450
Housing and redevelopment	716	603	1,107	1,136	875	941	1,007	649	609
Industrial	407	368	499	572	534	606	766	919	972
Educational	2,818	4,284	5,619	5,564	5,720	6,647	7,311	7,393	5,812
Hospital	401	520	837	981	1,008	1,002	1,240	1,663	1,655
Other public buildings	1,169	2,118	2,595	3,144	3,363	3,799	4,669	3,902	3,402
Highways and streets	5,437	7,550	9,981	10,658	10,429	10,505	12,069	10,345	9,112
Military facilities	1,366	830	718	901	1,087	1,166	1,188	1,301	1,479
Conservation and development	1,175	2,019	1,908	2,095	2,172	2,313	2,741	3,227	3,659
Other public construction	2,374	3,770	4,832	4,820	4,996	5,526	7,356	9,430	9,697
Sewer systems	882	1,195	1,544	1,829	1,702	1,954	2,684	4,572	4,966
Water supply facilities	605	1,286	1,094	996	1,076	1,068	1,382	1,681	1,565
Misc. public construction	887	1,309	2,104	1,995	2,218	2,504	3,290	3,177	3,166
Ownership:									
Federally owned	3,622	4,014	3,290	3,983	4,392	4,851	5,302	6,087	6,456
Buildings	1,024	1,460	902	1,077	1,130	1,330	1,507	1,681	1,680
Military facilities	1,366	830	718	901	1,087	1,166	1,188	1,391	1,479
Conservation and develop-	1,005	1,506	1,367	1,645	1,762	1,955	2,246	2,638	2,916
Misc. (incl. highways and streets)	227	218	303	360	413	400	361	377	381
State and locally owned	12,241	18,048	24,806	25,888	25,792	27,654	33,045	32,922	29,941
Buildings	4,487	6,433	9,755	10,320	10,370	11,665	13,486	12,935	10,770
Highways and streets	5,301	7,381	9,728	10,370	10,130	10,237	11,808	10,045	8,823
Conservation and develop-	170	513	541	450	410	358	495	589	743
Other	2,283	3,721	4,782	4,748	4,882	5,394	7,256	9,353	9,605

NA Not available. <sup>1</sup> Change from prior year shown; for 1960, change from 1959.Source: U.S. Bureau of the Census, *Construction Reports*, series C30.

**NO. 1316. VALUE IN CONSTANT (1972) DOLLARS OF NEW CONSTRUCTION PUT IN PLACE:  
1965 TO 1976**

[In millions of dollars, except percent. For details on derivation of constant values and description of revised series, see source. For description of nature of revisions and deflators used, see *Construction Reports*, series C30-74S. See also *Historical Statistics, Colonial Times to 1970*, series N 30-60 for value in 1957-59 dollars.]

TYPE OF CONSTRUCTION	1965	1970	1971	1972	1973	1974	1975	1976
<b>New construction</b> .....	<b>109,678</b>	<b>107,376</b>	<b>116,381</b>	<b>123,921</b>	<b>127,231</b>	<b>109,808</b>	<b>97,173</b>	<b>102,749</b>
<b>Private</b> .....	<b>75,948</b>	<b>75,313</b>	<b>84,728</b>	<b>93,772</b>	<b>96,850</b>	<b>80,442</b>	<b>68,597</b>	<b>76,461</b>
Percent of total.....	69.2	70.1	72.8	75.7	76.1	73.3	70.6	74.4
Residential buildings (incl. farm).....	39,684	35,707	45,836	54,192	54,308	41,489	35,249	42,654
New housing units.....	30,840	27,206	37,143	44,791	45,541	33,492	26,091	33,300
1 unit structures.....	22,308	16,532	23,507	27,567	27,851	21,619	20,776	28,207
2 or more unit structures.....	8,532	10,674	13,636	17,224	17,690	11,873	5,315	5,092
Additions and alterations.....	6,733	6,979	7,217	7,419	6,614	6,602	8,291	8,693
Nonhousekeeping.....	2,111	1,522	1,476	1,983	2,153	1,395	866	661
Nonresidential buildings <sup>1</sup> .....	25,770	24,345	23,998	24,023	25,553	22,980	19,060	18,836
Industrial.....	7,948	7,433	5,725	4,672	5,775	6,121	5,787	5,187
Office.....	10,466	11,089	12,241	8,188	5,265	5,546	4,750	3,588
Other commercial.....	1,873	1,056	859	845	8,188	8,708	7,612	5,655
Religious.....	1,617	1,714	1,637	1,429	754	711	626	690
Educational.....	1,141	983	993	969	777	510	409	476
Hospital and institutional.....	2,179	2,876	3,020	3,171	2,926	2,488	2,316	2,451
Other nonresidential buildings.....	2,163	908	860	913	1,007	788	678	823
Farm (nonresidential).....	1,617	1,714	1,637	1,429	1,848	1,959	1,678	1,806
Public utilities.....	8,252	12,468	12,500	13,186	14,283	13,237	11,867	12,434
Telephone and telegraph.....	2,231	3,355	3,225	3,293	3,770	3,529	2,795	2,651
Other public utilities.....	6,024	9,113	9,279	9,894	10,515	9,708	9,072	9,784
Railroad.....	466	348	311	357	399	445	339	378
Electric light and power <sup>2</sup> .....	3,766	6,606	7,128	7,583	8,222	7,286	6,629	6,565
Gas.....	1,638	1,843	1,395	1,669	1,604	1,368	869	1,057
Petroleum pipelines.....	154	316	445	285	290	609	1,235	1,784
All other private.....	625	1,082	1,058	942	858	776	743	732
<b>Public</b> .....	<b>33,730</b>	<b>32,063</b>	<b>31,653</b>	<b>30,149</b>	<b>30,381</b>	<b>29,367</b>	<b>28,576</b>	<b>26,288</b>
Percent of total.....	30.8	29.9	27.2	24.3	23.9	26.7	29.4	25.6
Buildings.....	12,245	12,105	12,026	11,483	12,039	11,680	11,037	9,532
Housing and redevelopment.....	856	1,239	1,210	873	855	827	507	443
Industrial.....	576	567	604	531	561	596	662	702
Educational.....	6,693	6,391	5,863	5,713	6,171	5,680	5,603	4,524
Hospital.....	813	956	1,036	1,004	926	962	1,250	1,283
Other public buildings.....	3,307	2,952	3,313	3,362	3,526	3,615	3,015	2,580
Highways and streets.....	11,651	11,282	11,232	10,418	9,884	8,682	7,324	6,685
Military facilities.....	1,272	821	957	1,087	1,091	913	995	1,067
Conservation and development.....	2,956	2,205	2,249	2,167	2,180	2,306	2,342	2,505
Other public construction.....	5,606	5,650	5,189	4,994	5,187	5,786	6,878	6,500
Sewer systems.....	1,871	1,872	1,999	1,702	1,825	2,136	3,367	3,513
Water supply facilities.....	1,767	1,270	1,064	1,079	1,002	1,006	1,186	1,017
Miscellaneous public construction.....	1,968	2,508	2,126	2,213	2,360	2,553	2,324	1,970

<sup>1</sup> Excludes building by privately owned public utilities.

<sup>2</sup> Includes construction with R.E.A. funds.

Source: U.S. Bureau of the Census, *Construction Reports*, series C30.

# Construction Establishments

769

## NO. 1317. CONSTRUCTION ESTABLISHMENTS, BY SIZE OF RECEIPTS: 1967 AND 1972

[Receipt figures contain considerable duplication. Work of one firm may be subcontracted out to other firms causing receipts to be included under both firms. Figures for establishments with payroll based on sample and subject to sampling variability; see source]

ITEM	Total	BY RECEIPT SIZE						
		\$1-\$24,999	\$25,000-\$49,999	\$50,000-\$99,999	\$100,000-\$249,999	\$250,000-\$499,999	\$500,000-\$999,999	\$1,000,000 or more
<b>1967</b>								
All establishments:								
Number.....	1,000	794.8	482.3	97.6	80.4	70.7	30.1	17.5
Proprietors <sup>1</sup> .....	1,000	696.8	470.6	91.3	68.0	47.4	12.3	4.5
Total receipts.....bil. dol.	101.7	3.3	3.4	5.7	11.3	10.8	12.4	54.8
Establishments with payroll:								
Number.....	1,000	368.8	101.8	73.5	68.5	63.3	28.6	17.0
Proprietors <sup>1</sup> .....	1,000	270.5	88.2	66.4	56.6	41.1	11.3	4.3
Employees.....	1,000	3,436	140	188	278	472	406	1,528
Total receipts.....bil. dol.	95.9	1.3	2.6	4.9	10.1	10.3	12.1	54.6
<b>1972</b>								
All establishments:								
Number.....	1,000	920.8	490.5	115.6	105.6	100.8	45.7	26.7
Proprietors <sup>1</sup> .....	1,000	748.3	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Total receipts.....bil. dol.	164.5	3.7	4.1	7.5	15.8	16.0	18.6	98.7
Establishments with payroll:								
Number.....	1,000	437.9	83.8	78.3	88.7	90.8	43.6	26.1
Proprietors <sup>1</sup> .....	1,000	274.4	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Employees.....	1,000	4,146	96	166	292	554	501	523
Total receipts.....bil. dol.	155.9	1.1	2.8	6.3	14.3	15.3	18.2	97.8

NA Not available. <sup>1</sup> Includes working partners.

Source: U.S. Bureau of the Census, *Census of Construction Industries, 1967*, series CC 67-I-1B, and *Census of Construction Industries, 1972*, series CC72-I.

## NO. 1318. CONSTRUCTION ESTABLISHMENTS—SUMMARY, BY STATES: 1972

[Receipts in millions of dollars; other figures in thousands. See headnote, table 1317]

STATE	ALL ESTABLISHMENTS		ESTABLISHMENTS WITH PAYROLL			STATE	ALL ESTABLISHMENTS		ESTABLISHMENTS WITH PAYROLL		
	Number	Receipts	Number	Employees	Receipts		Number	Receipts	Number	Employees	Receipts
U.S. ....	920.8	164,458	437.9	4,146	155,850	S.A.—Con.					
N.E. ....	62.0	9,620	31.3	243	9,136	W. Va.	5.7	665	2.8	23	840
Maine.....	6.5	586	3.1	20		N.C. ....	25.5	3,770	13.6	131	3,610
N.H. ....	5.8	643	2.9	19	603	S.C. ....	12.6	2,189	6.7	74	2,093
Vt. ....	3.7	296	1.8	9		Ga. ....	26.8	4,072	12.8	113	3,780
Mass. ....	26.5	4,785	13.1	114	4,539	Fla. ....	43.2	9,075	22.3	243	8,670
R.I. ....	4.4	809	2.5	20		E.S.C. ....	60.2	8,053	25.7	238	7,602
Conn. ....	15.2	2,521	8.0	62	3,281	Ky. ....	15.9	1,739	6.3	51	1,631
M.A. ....	133.4	26,650	68.6	657	25,109	Tenn. ....	19.0	2,995	8.6	86	2,848
N.Y. ....	59.2	12,319	30.4	291	11,799	Ala. ....	14.5	2,197	6.5	66	2,074
N.J. ....	28.1	5,350	15.5	130	5,108	Miss. ....	9.8	1,122	4.2	36	1,049
Pa. ....	46.1	8,982	22.7	237	8,202	W.S.C. ....	114.7	17,065	45.6	482	15,884
E.N.C. ....	162.8	28,929	75.1	676	27,474	Ark. ....	13.5	1,244	4.6	35	1,200
Ohio....	45.7	7,578	19.8	181	7,182	La. ....	14.2	2,746	6.8	85	2,605
Ind. ....	22.3	3,429	10.1	91	3,220	Okla. ....	18.4	1,858	6.3	52	1,851
Ill. ....	30.1	8,932	19.2	204	8,566	Tex. ....	68.0	11,218	27.9	310	10,507
Mich. ....	35.1	6,306	16.4	131	5,961	Mt. ....	48.8	9,637	23.9	233	9,216
Wis. ....	20.6	2,684	9.7	70	2,542	Mont. ....	4.1	398	1.6	10	370
W.N.C. ....	86.5	11,163	35.4	285	10,504	Idaho....	5.3	870	2.0	17	614
Minn. ....	18.4	3,064	8.0	75	2,926	Wyo. ....	2.3	274	1.0	7	251
Iowa....	15.4	1,553	6.4	42	1,449	Colo. ....	15.0	2,998	7.5	76	2,852
Mo. ....	24.6	3,248	9.5	81	3,043	N. Mex. ....	4.0	777	2.3	24	762
N. Dak. ....	3.1	382	1.5	10		Ariz. ....	8.7	2,747	4.8	56	2,668
S. Dak. ....	3.7	299	1.5	9	280	Utah....	6.0	1,008	3.2	25	982
Nebr. ....	8.9	1,101	3.9	29	1,043	Nev. ....	2.5	765	1.5	18	748
Kans. ....	12.4	1,516	4.7	38	1,395	Pac. ....	98.3	24,242	51.8	494	23,268
S.A. ....	154.1	29,100	80.5	837	27,655	Wash. ....	16.2	2,655	8.2	62	2,634
Del. ....	2.5	898	1.5	19	863	Oreg. ....	12.9	1,635	6.0	39	1,517
Md. ....	16.1	4,237	8.7	106	3,944	Calif. ....	64.9	18,390	35.1	362	17,717
D.C. ....	1.1	561	.6	14	549	Alaska....	2.0	442	1.1	7	414
Va. ....	20.7	3,634	11.4	114	3,505	Hawaii....	2.3	1,109	1.6	25	1,086

Source: U.S. Bureau of the Census, *Census of Construction Industries, 1972*, area series CC 72-A.

## Construction and Housing

NO. 1319. SELECTED CONSTRUCTION INDUSTRIES—SUMMARY, BY INDUSTRY: 1972  
 [Based on a probability sample of about 167,000 construction establishments with payroll. "N.e.c." means not elsewhere classified]

INDUSTRY	Establishments with payroll (number)	EMPLOYEES (1,000)		PAYROLL (mil. dol.)		RECEIPTS (mil. dol.)		Value added <sup>2</sup> (mil. dol.)
		Total	Construction workers	Total	Construction workers	Total	Net construction <sup>1</sup>	
Total.....	437,941	4,146	3,487	40,005	32,187	155,850	111,232	68,197
Contract construction.....	430,027	4,083	3,464	39,528	32,036	152,722	110,716	67,810
General building contractors.....	133,084	1,150	938	10,159	7,740	64,350	33,245	17,884
Heavy construction contractors.....	27,991	827	709	9,255	7,537	31,461	25,357	16,200
Highway and street construction.....	9,232	278	244	2,846	2,365	11,326	8,986	5,888
Heavy construction, n.e.c.....	18,759	549	465	6,409	5,173	20,135	16,371	10,362
Special trade contractors.....	288,982	2,107	1,817	20,114	16,759	56,911	52,114	33,726
Plumbing, heating, air conditioning.....	53,301	456	371	4,788	3,810	15,615	13,594	7,795
Painting, paperhanging, decorating.....	29,011	137	126	1,081	901	2,406	2,200	1,839
Electrical work.....	32,455	324	271	3,793	3,151	9,608	9,229	5,797
Masonry and other stonework.....	23,806	166	156	1,311	1,199	3,105	2,978	2,057
Plastering, drywall, insulation.....	13,415	170	152	1,685	1,446	4,195	3,839	2,585
Terrazzo, tile, marble, mosaic work.....	4,270	31	27	260	213	717	685	419
Carpentering.....	23,524	124	115	925	842	2,356	2,128	1,505
Floor laying and floor work, n.e.c.....	9,052	44	36	387	291	1,210	1,132	649
Roofing and sheet metal work.....	18,535	158	134	1,406	1,137	4,000	3,752	2,348
Concrete work.....	17,772	148	135	1,197	1,045	3,699	3,452	2,141
Water well drilling.....	4,159	17	15	125	102	557	523	326
Structural steel erection.....	2,760	58	50	638	534	1,496	1,386	1,013
Glass and glazing work.....	2,459	20	14	190	133	657	585	341
Excavating and foundation work.....	15,981	105	93	923	787	3,054	2,723	2,188
Wrecking and demolition work.....	1,027	9	8	80	64	237	203	195
Installing building equipment, n.e.c.....	1,945	39	31	518	406	1,458	1,349	978
Special trade contractors, n.e.c.....	15,420	101	83	826	636	2,540	2,265	1,549
Subdividers and developers, n.e.c.....	7,914	62	22	477	151	3,128	516	<sup>3</sup> 387

<sup>1</sup> Construction receipts less payments for construction work subcontracted to others, not shown separately.

<sup>2</sup> Total receipts less (a) payments for materials, components, and supplies, (b) payments for construction work subcontracted to others, not shown separately. <sup>3</sup> Excludes land receipts.

Source: U.S. Bureau of the Census, *Census of Construction Industries, 1972, Final Industry Reports*, series CC 72(I)-1-27.

NO. 1320. VALUATION OF PRIVATE CONSTRUCTION AUTHORIZED BY BUILDING PERMITS: 1969 TO 1976

[In millions of dollars. "13,000 and 14,000 place" series are based on U.S. total of approximately 13,000 and 14,000 places identified in 1967 and 1972, respectively, with local building permit systems]

TYPE OF CONSTRUCTION	13,000 PLACE SERIES				14,000 PLACE SERIES				
	1969	1970	1971	1972	1972	1973	1974	1975	1976, prel.
Total.....	36,766	37,472	48,198	58,382	59,445	61,835	50,827	47,330	61,947
New housing units.....	18,623	19,169	28,306	35,204	35,857	33,669	23,479	23,855	34,856
In structures with—									
1 unit.....	11,625	11,486	17,284	20,860	21,430	20,691	16,774	19,761	28,452
2-4 units.....	887	968	1,541	1,886	1,910	1,706	1,025	1,119	1,727
5 units or more.....	6,111	6,716	9,481	12,457	12,517	11,272	5,680	2,974	4,677
New nonhousekeeping residential buildings.....	830	789	872	1,290	1,414	1,689	876	705	651
New nonresidential buildings.....	13,742	13,224	15,005	17,042	17,289	20,903	20,483	16,200	18,801
Industrial buildings.....	3,199	2,435	2,308	2,826	2,599	4,525	4,505	3,041	3,897
Office buildings.....	2,847	2,806	3,718	3,740	3,758	4,058	3,872	2,965	3,016
Stores and other mercantile.....	2,721	2,601	2,998	4,128	4,159	4,807	4,308	3,446	4,290
Hospitals and other institutional.....	1,387	1,735	1,774	1,886	1,893	1,875	2,024	1,963	2,423
All other nonresidential.....	3,587	3,644	4,207	4,462	4,575	5,637	5,774	4,786	5,375
Additions and alterations.....	3,571	4,290	4,015	4,846	4,885	5,574	5,990	6,570	7,639

Source: U.S. Bureau of the Census. In U.S. Bureau of Domestic Commerce, *Construction Review*.

**No. 1321. CONSTRUCTION CONTRACTS—VALUE OF CONSTRUCTION AND FLOOR SPACE OF BUILDINGS, BY CLASS OF CONSTRUCTION: 1965 TO 1976**

[1965 excludes Alaska and Hawaii. Includes new structures and additions to existing structures (both value and floor area), and major alterations to existing structures which affect only valuation, since there is no additional floor area created by an "alteration" project. See also *Historical Statistics, Colonial Times to 1970*, series N 78-100]

CLASS OF CONSTRUCTION	VALUE OF CONSTRUCTION (bil. dol.)						FLOOR SPACE OF BUILDINGS (mil. sq. ft.)					
	1965	1970	1973	1974	1975	1976	1965	1970	1973	1974	1975	1976
Total	49.3	68.3	99.3	93.7	92.7	107.2	2,843	2,938	4,013	2,938	2,390	2,815
Nonres. buildings, total	17.3	24.6	31.4	33.2	31.6	30.0	1,181	1,157	1,439	1,282	949	970
Commercial <sup>1</sup>	5.5	9.1	12.8	11.8	9.2	10.4	415	530	717	594	409	451
Manufacturing	3.1	3.7	4.8	5.6	6.8	4.1	265	212	293	246	146	151
Educational and science	4.2	5.3	5.1	6.3	5.9	5.0	225	195	156	176	152	120
Hospital	1.5	2.8	3.3	3.8	3.7	4.6	60	75	76	75	63	74
Public buildings	.8	1.0	2.0	2.1	2.1	2.0	36	29	49	47	46	41
Religious	.8	.6	.7	.8	.8	.9	45	27	28	27	28	32
Social and recreational	.8	1.1	1.5	1.6	1.6	1.5	47	47	63	58	51	47
Miscellaneous	.6	1.0	1.2	1.2	1.5	1.5	38	42	57	59	54	54
Residential buildings	21.2	24.8	45.7	33.6	31.8	43.7	1,711	1,781	2,574	1,657	1,441	1,846
Nonbuilding construction	10.8	19.0	22.1	27.0	29.8	33.5	(X)	(X)	(X)	(X)	(X)	(X)

X Not applicable.

<sup>1</sup> Includes nonindustrial warehouses.

Source: F.W.Dodge Division, McGraw-Hill Information Systems Company, New York, N.Y. In *Dodge Construction Potentials*.

**No. 1322. CONSTRUCTION MATERIALS—INDEXES OF WHOLESALE PRICES: 1970 TO 1976**

[1967=100. For discussion of wholesale price index, see text, p. 469. See also *Historical Statistics, Colonial Times to 1970*, series N 140-155]

COMMODITY	1970	1973	1974	1975	1976	COMMODITY	1970	1973	1974	1975	1976
All materials <sup>1</sup>	112.5	138.5	160.9	174.0	187.7	Plumbing fixtures <sup>3</sup>	111.2	125.8	149.1	162.3	174.1
Softwood lumber:						Enameling iron	107.2	129.6	158.1	188.4	201.2
Douglas fir	108.7	209.6	213.7	212.0	250.8	Vitreous china	106.3	120.8	134.2	146.6	159.0
Southern pine	114.7	187.9	184.5	175.3	217.3	Brass fittings	115.7	128.8	155.7	162.2	174.1
Other	115.0	226.6	220.8	205.3	257.8	Heating equipment	110.6	120.4	135.0	150.7	158.1
Hardwood lumber	114.6	169.0	189.5	160.3	176.0	Steam and hot water	110.8	122.7	139.0	153.9	162.4
Millwork	116.0	144.2	157.1	160.4	176.8	Metal doors, sash, trim	113.0	124.5	147.8	162.5	171.5
Plywood	108.4	155.2	161.1	161.2	186.9	Plate glass	(NA)	115.0	115.0	120.4	126.4
Softwood	113.6	194.0	186.8	200.6	247.4	Concrete ingredients	112.6	131.2	148.7	172.3	186.2
Hardwood	102.5	112.7	130.2	119.5	122.5	Concrete products	112.2	131.7	151.7	170.5	179.6
Building paper and board	101.0	112.8	123.5	127.1	138.7	Pipe	103.8	118.6	143.6	169.4	169.1
Prepared paint	112.4	122.2	145.7	166.9	174.2	Structural clay products <sup>4</sup>	109.9	123.3	135.2	151.2	163.4
Finished steel prod.:						Gypsum products	99.7	120.9	137.6	144.0	154.2
Structural shapes	115.3	140.7	179.0	216.3	227.1	Asphalt roofing	102.7	135.5	196.0	225.9	238.1
Reinforcing bars	110.3	124.1	201.5	199.2	182.4	Insulation materials	123.2	137.4	156.5	196.2	212.3
Black pipe, carbon	113.3	137.8	178.7	204.6	219.1	Vinyl covering	96.3	103.2	117.9	135.4	144.5
Wire nails <sup>2</sup>	114.8	140.4	207.1	241.4	243.6						
Nonferrous metal products	124.7	135.0	187.1	171.6	181.5						
Copper water tubing	122.9	133.3	174.7	134.2	147.7						
Building wire	123.2	108.2	169.7	125.8	118.4						

NA Not available. <sup>1</sup> See footnote 2, table 1324. <sup>2</sup> So common.

<sup>3</sup> Includes brass fittings. <sup>4</sup> Excludes refractories.

Source: U.S. Bureau of Labor Statistics, *Wholesale Prices and Price Indexes*, monthly and annual.

## NO. 1323. CONSTRUCTION CONTRACTS—VALUE, BY STATES: 1960 TO 1976

[In millions of dollars. See headnote, table 1321. Represents value of construction in States in which work was actually done]

STATE	1960	1965	1970	1972	1973	1974	1975	1976			
								Total	Non-residential	Residential	Non-building
Total <sup>1</sup>	36,318	49,272	68,294	90,977	99,304	93,685	92,659	107,158	30,045	43,651	33,463
Ala.	467	679	1,036	1,351	1,639	1,269	3,084	1,658	601	755	302
Alaska	(N.A.)	(N.A.)	238	373	421	1,067	4,826	880	395	235	251
Ariz.	453	413	1,063	1,671	1,697	1,362	1,704	2,430	426	551	1,453
Ark.	286	529	506	829	1,016	833	1,301	1,112	284	488	339
Calif.	4,947	6,333	6,739	8,943	9,378	10,070	8,663	11,202	3,017	6,930	1,256
Colo.	461	585	834	1,708	1,989	1,514	1,380	1,855	445	674	736
Conn.	618	799	1,154	1,217	1,022	1,143	804	1,835	350	428	1,058
Del.	98	200	208	280	241	213	228	391	90	92	209
D. C.	222	310	313	641	550	598	542	440	238	67	130
Fla.	1,443	1,890	3,537	6,482	7,710	5,270	3,607	4,113	1,314	2,005	794
Ga.	606	1,121	1,555	2,533	2,694	2,100	1,825	2,486	650	1,084	753
Hawaii	(N.A.)	(N.A.)	601	655	820	1,003	979	688	222	283	184
Idaho	115	187	197	299	355	370	399	400	119	186	95
Ill.	2,098	2,455	3,596	4,772	4,938	4,374	3,907	8,516	1,645	2,158	4,713
Ind.	803	1,332	1,460	2,154	2,456	2,170	2,211	2,566	828	1,251	480
Iowa	411	591	701	829	1,099	1,060	1,252	1,426	422	634	370
Kans.	462	473	530	779	812	854	1,324	1,505	441	597	467
Ky.	486	691	1,185	1,508	1,481	1,490	1,444	1,786	463	702	622
La.	579	1,190	1,359	2,026	1,926	2,036	1,847	2,903	870	838	1,195
Maine	116	151	216	306	355	357	398	484	67	149	267
Md.	706	1,278	1,270	1,752	2,078	2,014	1,886	2,027	777	829	421
Mass.	764	1,093	1,791	2,178	2,170	1,899	1,415	1,484	485	638	362
Mich.	1,410	2,280	2,950	3,388	4,275	3,374	3,187	3,186	1,112	1,481	593
Minn.	661	793	1,094	1,339	1,745	2,051	1,687	1,997	694	898	405
Miss.	288	489	570	885	1,002	2,065	1,030	964	274	412	278
Mo.	807	1,129	1,171	1,437	2,006	1,811	1,645	2,677	517	855	1,305
Mont.	133	219	184	273	516	322	393	301	111	149	132
Nebr.	288	360	334	611	683	703	747	960	196	311	453
Nev.	130	232	364	627	624	441	479	601	118	411	73
N.H.	103	150	188	301	324	293	313	336	129	129	77
N.J.	1,235	1,541	2,741	2,949	2,513	2,354	1,950	2,107	759	828	519
N. Mex.	220	377	394	478	677	616	660	635	176	335	125
N.Y.	3,693	3,938	5,589	6,016	5,755	4,803	3,955	4,605	1,240	1,092	2,273
N.C.	652	1,016	1,722	2,646	2,463	2,208	2,240	2,362	665	1,301	396
N. Dak.	141	127	296	331	297	284	865	396	75	211	110
Ohio	1,924	2,497	3,046	3,898	4,167	4,367	3,924	4,165	1,364	1,913	888
Okl.	489	597	754	1,328	1,377	1,409	1,166	1,412	404	704	304
Oreg.	365	586	634	968	977	1,015	1,036	1,238	341	680	217
Pa.	1,439	2,118	3,192	3,360	4,273	3,912	3,009	3,838	1,282	1,030	1,527
R.I.	118	192	194	207	257	225	244	262	86	118	58
S.C.	333	488	883	1,307	1,776	1,400	2,143	1,356	495	675	187
S. Dak.	186	112	160	210	244	239	275	373	124	139	110
Tenn.	618	909	1,562	1,843	2,232	2,117	1,678	1,822	657	878	287
Tex.	2,021	2,679	4,119	5,819	6,217	6,540	6,372	7,286	2,468	3,079	1,739
Utah	195	240	334	509	596	812	735	850	240	491	110
Vt.	51	106	148	170	164	169	144	160	35	81	44
Va.	968	1,373	1,891	2,735	3,023	2,652	2,932	2,694	764	1,361	568
Wash.	632	1,007	1,478	1,557	1,633	2,187	2,019	3,480	599	1,300	1,581
W. Va.	198	267	846	586	609	532	926	627	215	96	315
Wis.	753	1,034	1,206	1,552	1,760	1,558	1,667	2,579	689	1,037	853
Wyo.	121	117	161	361	271	360	229	1,611	71	84	1,455

NA Not available. <sup>1</sup> Prior to 1970, excludes Alaska and Hawaii.

Source: F. W. Dodge Division, McGraw-Hill Information Systems Company, New York, N.Y. Figures reported currently in *Dodge Construction Potentials*.

## NO. 1324. PRICE AND COST INDEXES FOR CONSTRUCTION AND SELECTED COMPONENTS OF CONSTRUCTION: 1960 TO 1976

[1967=100. Excludes Alaska and Hawaii, except as noted. Indexes of certain of these firms are published on bases different from those shown here. See *Historical Statistics, Colonial Times to 1970*, series N 118-137, for construction cost indexes on a 1947-49 base]

ITEM		1960	1965	1970	1971	1972	1973	1974	1975	1976
Price index for new one-family houses sold <sup>1</sup>	(NA)	93.2	117.4	123.2	131.0	144.8	158.1	174.3	191.4	
Dept. of Agriculture, Economic Research Service:										
Farm construction, exc. housing-----	91	93	118	126	136	154	(NA)	(NA)	(NA)	
Indexes of building materials prices and union wage scales:										
Wholesale prices of construction materials <sup>2</sup> -----	95.5	95.8	112.5	119.5	126.6	138.5	160.9	174.0	187.7	
Union hourly wage scales in the building trades <sup>3</sup> -----	75.4	90.9	128.8	144.0	153.2	160.8	173.4	188.3	200.5	
Construction cost indexes:										
Dept. of Commerce composite <sup>4</sup> -----	83	93	122	131	139	152	173	189	198	
Federal Highway Administration:										
Highways <sup>5</sup> -----	80.0	90.3	125.6	131.7	138.2	152.4	201.8	203.8	199.3	
Environmental Protection Agency:										
Sewers-----	85.4	93.7	120.4	134.3	149.1	160.4	183.5	208.0	221.0	
Sewage treatment plant-----	87.9	93.8	120.3	133.8	144.0	152.9	180.6	209.4	219.7	
Interstate Commerce Commission:										
Pipeline-----	101	97	109	117	122	130	154	190	200	
American Appraisal Company:										
Building construction <sup>6</sup> -----	80	91	124	138	151	167	177	189	206	
E. H. Boeckh, building cost index: <sup>7</sup>										
Small residential structures-----	81.8	90.4	122.4	132.8	145.8	159.2	172.0	183.5	198.6	
Apartments, hotels, and office buildings-----	80.3	90.7	124.4	135.0	145.4	154.5	168.4	185.0	199.6	
Commercial and factory buildings-----	80.4	90.0	123.1	133.9	144.8	154.4	172.0	188.8	204.9	
Engineering News-Record: <sup>8</sup>										
Building construction-----	83.3	93.3	124.4	140.5	155.2	168.4	178.3	193.3	210.9	
General construction-----	76.9	90.8	128.9	146.8	163.0	176.5	188.2	205.7	223.4	
Turner Construction Company:										
Building construction <sup>9</sup> -----	85	94	129	143	154	162	188	198	202	
Handy-Whitman public utility: <sup>10</sup>										
Building-----	87	93	121	133	144	158	190	213	217	
Gas plant-----	85	94	117	125	134	140	160	(NA)	(NA)	
Electric light and power <sup>11</sup> -----	89	94	119	128	135	144	171	201	214	

NA. Not available. <sup>1</sup> Includes value of site.

<sup>2</sup> Covers materials incorporated as integral part of a building or normally installed during construction and not readily removable. Excludes consumer durables, such as kitchen ranges, refrigerators, etc. For 1960, excludes Alaska and Hawaii. Source: U.S. Bureau of Labor Statistics, *Wholesale Prices and Price Indexes*, annual.

<sup>3</sup> Based on minimum wage rates agreed upon through collective bargaining; excludes overtime. As of July 1. Source: U.S. Bureau of Labor Statistics, *Union Wages and Hours: Building Trades*, annual.

<sup>4</sup> Covers both building and nonbuilding construction, excluding maintenance and repair. Represents a weighted average of various indexes used for different types of construction.

<sup>5</sup> Based on average contract unit bid prices for composite mile (involving specific average amounts of excavation, paving, reinforcing steel, structural steel, and structural concrete).

<sup>6</sup> Average for 30 cities of 4 types of buildings: Wood-frame, brick-wood frame, brick-steel frame, and reinforced concrete. Covers materials and labor costs in structural portion of buildings but excludes those for plumbing, heating, lighting, sprinklers, and elevators. Reflects employee-benefit costs, and allows for contractors' overhead and profit.

<sup>7</sup> Average of 20 cities for types shown. Weights based on surveys of building costs. Wage rates used for both common and skilled labor. Reflects payment of sales taxes and social security payroll taxes.

<sup>8</sup> Building construction index computed on basis of hypothetical unit of construction requiring 6 bbl. of portland cement, 1,088 M bd. ft. of 2" x 4" lumber, 2,500 lb. of structural steel, and 68.38 hours of skilled labor. General construction index based on same materials components combined with 200 hours of common labor.

<sup>9</sup> Eastern cities. Based on firm's cost experience with respect to labor rates, materials prices, competitive conditions, efficiency of plant and management, and productivity. Reflects payment of sales taxes and employee-benefit costs.

<sup>10</sup> Based on data covering public utility construction costs for 95 items in 6 geographic regions. Covers skilled and common labor; does not reflect tax payments nor employee-benefit costs.

<sup>11</sup> As derived by U.S. Bureau of the Census. Covers steam production plants only; excludes hydraulic plants.

Source: Except as noted, U.S. Bureau of the Census. In U.S. Bureau of Domestic Commerce, *Construction Review*.

## Construction and Housing

## NO. 1325. NEW HOUSING UNITS STARTED: 1960 TO 1977

[In thousands. Minus sign (-) denotes decrease. See also *Historical Statistics, Colonial Times to 1970*, series N 156-159]

YEAR	Total	Per-cent change	PRIVATELY- OWNED		Pub- licly- owned	YEAR AND MONTH	Total	Per- cent change	PRIVATELY- OWNED		Pub- licly- owned
			Total	1-unit structures					Total	1-unit structures	
1960	1,296	-16.6	1,252	995	44	1972	2,379	+14.1	2,357	1,309	22
1961	1,365	+5.3	1,313	975	52	1973	2,057	-13.5	2,045	1,132	12
1962	1,492	+9.3	1,463	992	30	1974	1,352	-34.3	1,338	888	15
1963	1,642	+10.1	1,610	1,021	32	1975	1,171	-13.4	1,160	892	11
1964	1,561	-4.9	1,529	970	32	1976	1,548	+32.1	1,538	1,162	10
1965	1,610	-3.3	1,473	964	37						
1966	1,196	-20.8	1,165	780	31	1977 <sup>2</sup> Jan.	(N.A.)	(N.A.)	1,384	1,006	(N.A.)
1967	1,322	+10.5	1,292	845	30	Feb.	(N.A.)	(N.A.)	1,802	1,424	(N.A.)
1968	1,846	+16.9	1,508	901	38	Mar.	(N.A.)	(N.A.)	2,089	1,503	(N.A.)
1969	1,500	-3.0	1,467	811	33	Apr.	(N.A.)	(N.A.)	1,880	1,413	(N.A.)
1970	1,469	-2.1	1,434	813	35	May	(N.A.)	(N.A.)	1,937	1,455	(N.A.)
1971	2,085	+41.0	2,052	1,181	32	June	(N.A.)	(N.A.)	1,897	1,389	(N.A.)
						July	(N.A.)	(N.A.)	2,076	1,446	(N.A.)

NA Not available.

<sup>1</sup> Change from 1959.<sup>2</sup> Seasonally adjusted annual rate.

## NO. 1326. NEW HOUSING UNITS STARTED—SELECTED CHARACTERISTICS: 1960 TO 1976

[In thousands. For composition of regions, see fig. I, inside front cover. See also *Historical Statistics, Colonial Times to 1970*, series N 158-163]

CHARACTERISTIC	1960	1965	1969	1970	1971	1972	1973	1974	1975	1976
	1,296	1,510	1,500	1,469	2,085	2,379	2,057	1,352	1,171	1,548
Northeast	237	281	213	224	271	334	278	183	150	170
North Central	304	369	357	301	440	445	442	320	295	401
South	441	589	603	629	884	1,068	906	561	448	575
West	315	271	327	315	490	532	431	288	278	402
Publicly owned	44	37	33	35	32	22	12	15	11	10
Privately owned	1,252	1,473	1,467	1,434	2,052	2,357	2,045	1,338	1,160	1,538
With FHA aid	261	197	233	421	528	1,371	1,163	1,95	1,98	1,144
With VA aid	75	49	51	61	94	104	86	173	77	100
In structures with:										
1 unit	1,009	965	811	815	1,153	1,311	1,133	889	896	1,166
2-4 units	288	{ 101	98	96	133	151	124	77	68	89
5 units or more		{ 444	590	558	799	917	800	387	208	292
By area: <sup>2</sup>										
Inside SMSA's	889	1,035	1,006	1,034	1,519	1,733	1,502	932	767	1,048
Outside SMSA's	407	475	403	435	566	646	556	420	405	499

<sup>1</sup> Source: U.S. Dept. of Housing and Urban Development, *HUD Statistical Yearbook*.<sup>2</sup> For definition of standard metropolitan statistical area (SMSA), see text, Appendix II. 1960 based on 1959 definitions; thereafter, on 1967 definitions as amended through 1973.Source of tables 1325 and 1326: Except as noted, U.S. Bureau of the Census, *Construction Reports*, series C20. Includes data from U.S. Federal Housing Administration and U.S. Veterans Administration.

## NO. 1327. PRICE INDEX OF NEW ONE-FAMILY HOUSES SOLD: 1965 TO 1977

[1972=100. Based on fixed proportions of ten characteristics of new houses sold in 1974. For composition of regions, see fig. I, inside front cover]

YEAR	U.S.	REGION				YEAR AND QUARTER	U.S.	REGION			
		North-east	North-Central	South	West			North-east	North-Central	South	West
1965	71.2	62.2	70.6	71.1	75.9	1972	100.0	100.0	100.0	100.0	100.0
1966	74.2	66.8	74.7	74.3	78.2	1973	108.9	108.4	107.7	106.9	112.7
1967	76.4	69.1	77.7	75.8	79.4	1974	119.1	118.3	115.8	115.2	126.3
1968	80.3	75.8	82.4	79.0	81.7	1975	131.0	128.3	126.8	125.7	141.7
1969	86.5	82.7	90.5	84.5	88.9	1976	142.0	133.5	138.1	134.6	157.3
1970	89.1	88.2	90.7	87.5	90.3	1st qtr.	152.6	(N.A.)	(N.A.)	(N.A.)	(N.A.)
1971	93.9	93.8	94.1	94.2	93.3	2d qtr.	158.4	(N.A.)	(N.A.)	(N.A.)	(N.A.)

NA Not available.

<sup>1</sup> Preliminary.Source: U.S. Bureau of the Census, *Current Construction Reports*, series C27, quarterly.

# New Housing Units Authorized

775

## No. 1328. NEW HOUSING UNITS AUTHORIZED—NUMBER AND VALUATION, BY STATES: 1970 TO 1976

[Includes public housing contract awards. 1970 based on a U.S. total of approximately 13,000 places having local building permit systems; thereafter, 14,000 places]

STATE	HOUSING UNITS (1,000)						VALUATION (mil. dol.)					
	1970	1972	1973	1974	1975	1976 <sup>1</sup>	1970	1972	1973	1974	1975	1976 <sup>1</sup>
	U.S.	1,384.0	2,238.5	1,830.2	1,088.1	949.2	1,278.5	19,664	36,218	33,873	23,806	24,107
N.E.	76.8	102.5	85.4	51.9	43.0	48.7	1,085	1,663	1,612	1,108	1,024	1,284
Maine	4.0	7.4	5.5	4.7	4.1	3.8	57	118	99	96	96	95
N.H.	5.0	9.3	7.7	5.1	3.6	5.4	71	150	152	103	97	154
Vt.	1.7	3.1	2.5	1.5	1.8	1.6	28	63	56	36	44	43
Mass.	39.0	49.0	40.9	23.7	18.0	19.9	557	787	766	506	420	515
R.I.	4.6	8.5	6.5	3.2	3.4	4.6	61	113	101	67	68	101
Conn.	22.4	25.2	22.3	13.6	12.1	13.3	311	433	439	300	299	377
M.A.	147.7	235.2	187.5	113.8	87.2	102.9	2,355	4,026	3,675	2,508	2,073	2,670
N.Y.	66.9	106.5	75.6	48.7	30.8	29.3	1,198	1,984	1,530	1,069	699	730
N.J.	39.6	65.3	52.3	25.9	23.4	30.6	584	1,060	1,038	586	583	816
Pa.	41.2	63.4	59.7	39.2	33.0	43.0	573	1,001	1,106	853	791	1,124
E.N.C.	211.2	318.6	272.3	173.6	164.5	214.2	3,266	5,672	5,398	3,968	4,341	6,018
Ohio	58.8	86.1	60.6	42.4	39.1	49.2	871	1,492	1,263	1,014	1,069	1,404
Ind.	24.0	40.2	40.0	23.9	23.1	28.0	336	664	713	532	607	764
Ill.	54.2	79.4	68.3	36.9	39.3	59.6	907	1,480	1,400	899	1,085	1,758
Mich.	51.1	76.6	71.3	44.3	37.0	44.9	819	1,419	1,373	969	945	1,239
Wis.	23.2	36.3	34.2	26.0	26.0	32.4	333	617	649	554	636	854
W.N.C.	83.1	124.5	91.3	70.2	78.3	102.4	1,205	2,069	1,723	1,542	1,955	2,762
Minn.	25.5	37.3	28.3	20.6	19.2	24.8	410	739	513	504	548	784
Iowa	11.1	14.0	11.7	11.5	14.7	19.7	159	229	213	237	332	493
Mo.	23.3	35.2	25.6	15.2	16.1	22.4	326	539	450	307	402	573
N. Dak.	2.9	4.4	3.4	3.4	5.1	5.8	41	66	61	74	119	155
S. Dak.	2.4	3.7	3.8	2.8	3.1	4.7	29	51	65	53	66	101
Nebr.	8.0	13.6	10.2	7.0	7.9	9.5	90	166	147	123	184	199
Kans.	9.9	16.3	13.3	9.7	12.1	15.5	150	279	275	243	324	457
S.A.	303.6	558.8	516.2	246.8	183.7	203.1	4,079	9,127	9,280	5,287	4,010	5,399
Del.	5.8	8.7	8.4	3.2	3.0	2.6	103	127	140	87	65	69
Md.	35.1	54.6	48.3	23.3	19.7	26.8	488	903	890	492	473	704
D.C.	1.9	.9	1.8	1.4	1.4	2.2	27	10	27	35	7	46
Va.	43.7	81.7	73.0	41.9	33.2	39.3	573	1,264	1,392	890	818	1,086
W. Va.	2.5	2.8	3.0	1.9	2.1	1.7	33	46	56	40	46	42
N.C.	32.5	53.7	42.3	22.2	20.9	26.0	407	764	723	478	515	667
S.C.	21.9	34.1	25.9	15.9	15.4	18.1	267	542	461	339	343	404
Ga.	53.8	65.5	46.4	26.3	21.0	22.4	619	987	838	563	517	571
Fla.	106.2	283.9	267.0	110.8	48.0	66.2	1,561	4,505	4,753	2,384	1,227	1,809
E.S.C.	73.4	118.6	92.2	49.8	43.2	55.0	880	1,550	1,425	947	957	1,253
Ky.	17.5	25.7	14.9	10.6	10.7	12.2	216	358	295	240	266	290
Tenn.	24.8	46.0	39.0	18.0	14.5	18.6	297	599	585	334	319	450
Ala.	18.6	28.4	20.4	14.0	12.8	17.6	229	356	304	244	258	366
Miss.	12.4	18.8	17.9	7.2	5.2	6.5	138	237	240	129	114	147
W.S.C.	141.9	210.5	160.0	100.6	91.5	137.3	1,682	2,932	2,464	1,924	2,110	3,157
Ark.	9.5	13.2	10.7	6.6	6.9	8.1	120	202	180	143	161	200
La.	19.3	36.3	26.7	12.2	11.7	16.7	269	523	406	266	306	418
Okla.	18.9	30.9	17.2	11.8	10.2	14.7	247	436	300	250	281	411
Tex.	94.3	130.1	105.4	69.9	62.7	97.8	1,047	1,771	1,579	1,266	1,362	2,128
Mt.	93.1	182.9	139.0	87.5	76.2	107.9	1,233	2,685	2,327	1,742	1,807	2,813
Mont.	1.7	2.8	2.7	2.6	3.1	4.7	22	47	50	49	67	107
Idaho	3.6	6.9	6.5	7.2	8.2	8.5	43	107	113	135	179	222
Wyo.	1.1	2.1	2.2	2.1	2.6	4.7	15	34	40	44	58	122
Colo.	31.2	65.7	45.5	20.2	16.8	24.4	377	871	694	411	434	688
N. Mex.	7.0	15.4	10.0	6.6	6.9	8.6	109	245	194	140	148	240
Ariz.	29.9	55.1	45.0	31.4	18.5	25.1	389	814	716	554	584	544
Utah	9.4	17.9	13.7	11.8	13.0	18.3	123	266	238	244	308	487
Nev.	9.2	17.0	13.4	5.8	7.2	13.5	156	301	282	155	189	404
Pac.	253.2	360.2	286.3	193.8	201.7	307.0	3,878	6,494	5,969	4,780	5,830	9,687
Wash.	28.3	29.7	27.1	27.1	35.2	47.0	416	548	559	602	855	1,258
Oreg.	17.0	31.0	22.8	15.9	20.1	26.9	230	473	401	338	500	725
Calif.	195.6	281.0	216.8	129.0	131.2	220.5	2,976	5,078	4,530	3,246	3,984	7,295
Alaska	1.7	2.4	1.7	2.0	2.9	4.2	39	59	53	65	90	135
Hawaii	10.7	16.1	17.9	19.7	12.2	8.4	218	337	427	529	401	273

<sup>1</sup> The relative standard error of the preliminary estimate of total private housing units authorized in permit places is less than 10 percent for all States except as follows (in percent): Del., 41; Ky., 10; Mont., 15; N. Mex., 10; S. Dak., 10; Vt., 14; W. Va., 13; and Wyo., 10.

## NO. 1329. PRIVATE HOUSING STARTS, BY REGION, AND MOBILE HOMES: 1965 TO 1976

[In thousands of units, except percent. For composition of regions, see fig. I, inside front cover. See also *Historical Statistics, Colonial Times to 1970*, series N 157 and N 170]

ITEM	1965	1969	1970	1971	1972	1973	1974	1975	1976
Private housing starts <sup>1</sup>	1,473	1,467	1,434	2,052	2,357	2,045	1,338	1,160	1,538
Single family	964	811	813	1,151	1,309	1,132	888	892	1,162
Condominiums <sup>2</sup>	(NA)	(NA)	(NA)	(NA)	(NA)	69	46	20	30
Northeast	163	122	113	145	170	155	119	112	127
North Central	226	183	166	238	256	269	225	222	204
South	416	342	377	526	612	478	367	366	404
West	159	163	157	242	272	230	176	192	277
Multifamily	509	656	621	901	1,047	913	450	268	875
Percent of total	34.6	44.7	43.3	43.9	44.4	44.6	33.6	33.0	24.4
Condominiums <sup>2</sup>	(NA)	(NA)	(NA)	(NA)	(NA)	172	130	45	64
Northeast	107	84	105	119	169	122	64	37	43
North Central	136	166	128	196	187	171	92	72	106
South	159	246	235	343	445	421	186	76	104
West	107	161	154	244	255	199	108	83	122
MOBILE HOMES <sup>3</sup>									
Shipments to dealers	216	413	401	497	576	567	329	213	246
Percent of total private starts and mobile homes	12.8	22.0	21.9	19.5	19.6	21.7	19.7	15.5	13.8
Percent of single-family private starts and mobile homes	18.3	33.7	33.0	30.1	30.5	33.4	27.0	19.3	17.5

NA. Not available. <sup>1</sup> Includes farm housing. <sup>2</sup> Type of ownership under which the owners of the individual housing units are also joint owners of the common areas of the building or community.

<sup>3</sup> A mobile home is a vehicular portable structure built on a chassis and designed to be used without a permanent foundation as a year-round dwelling when connected to utilities. The homes are defined as units more than 8 feet wide and 32 feet in length.

Source: U.S. Bureau of the Census, *Construction Reports*, series C20. Mobile home shipments data provided by Manufactured Housing Institute, Arlington, Va.

## NO. 1330. PERCENT OF NEW PRIVATELY-OWNED ONE-FAMILY HOUSES WITH VARIOUS CHARACTERISTICS: 1970 TO 1976

[Percent distribution, except total houses. Data beginning 1973 show percent distribution of characteristics for all houses completed (includes new houses completed, houses built for sale completed, contractor-built and owner-built houses completed, and houses completed for rent). Data for 1970 cover contractor-built, owner-built, and houses for rent for year construction started and houses sold for year of sale. Percents exclude houses for which characteristics specified were not reported. See also headnote, table 1352]

CHARACTERISTIC	1970	1973	1974	1975	1976	CHARACTERISTIC	1970	1973	1974	1975	1976
Total houses-----1,000	793	1,174	932	866	1,026	Number of bathrooms-----	100	100	100	100	100
Financing-----	100	100	100	100	100	1 or less-----	32	21	22	24	20
Mortgage-----	84	85	83	82	85	1½-----	20	19	18	17	13
FHA-insured-----	30	8	7	9	6	2-----	32	41	40	40	45
VA-guaranteed-----	7	8	8	8	8	2½ or more-----	16	19	21	20	22
Conventional-----	58	67	67	67	67	Foundation-----	100	100	100	100	100
Farmers Home Admin-----	47	69	69	7	5	Full or partial basement-----	37	41	45	45	45
Cash or equivalent-----	16	15	17	18	15	Slab-----	36	38	36	35	36
Floor area (sq. feet)-----	100	100	100	100	100	Crawl space-----	27	21	19	20	19
Under 1,200-----	36	25	24	25	22	Heating fuel-----	100	100	100	100	100
1,200-1,599-----	28	31	29	30	29	Electricity-----	28	42	49	49	48
1,600-1,999-----	16	{ 33	34	34	37	Gas-----	62	47	41	40	39
2,000-2,399-----	21	12	13	11	12	Oil-----	8	10	9	9	11
2,400 and over-----						Other-----	1	1	1	2	2
Number of stories-----	100	100	100	100	100	Central air conditioning-----	100	100	100	100	100
1-----	74	67	65	65	63	With-----	34	49	48	46	49
2 or more-----	17	23	25	23	25	Without-----	66	51	52	54	51
Split level-----	10	10	10	12	12	Parking facilities-----	100	100	100	100	100
Number of bedrooms-----	100	100	100	100	100	Garage-----	58	65	68	67	72
2 or less-----	13	12	13	14	12	Carport-----	17	13	10	9	8
3-----	63	64	64	65	65	No garage or carport-----	25	22	22	24	20
4 or more-----	24	23	23	21	23						

Source: U.S. Bureau of the Census and U.S. Dept. of Housing and Urban Development, *Construction Reports*, series C25, *Characteristics of New One Family Homes* (a joint publication).

# Housing Inventory—Residential Capital

777

NO. 1331. ESTIMATES OF THE HOUSING INVENTORY: 1970 TO 1975

TENURE, RACE, AND VACANCY STATUS	TOTAL UNITS, 1970		TOTAL UNITS, 1975		NEW UNITS CONSTRUCTED, 1970-1975 <sup>1</sup>		UNITS REMOVED, 1973-1975 <sup>2</sup>	
	Number (1,000)	Percent	Number (1,000)	Percent	Number (1,000)	Percent	Number (1,000)	Percent
All housing units	68,672	100.0	79,087	100.0	11,334	100.0	2,169	100.0
All year-round housing units	67,699	98.6	77,553	98.1	11,212	98.9	2,129	98.2
Occupied units	63,445	92.4	72,523	91.7	10,180	89.8	1,621	74.7
Owner occupied <sup>3</sup>	39,886	58.1	46,867	59.3	6,527	57.6	746	34.4
White	37,005	53.9	43,072	54.5	6,079	53.6	670	30.9
Black	2,508	3.7	3,309	4.2	342	3.0	70	3.2
Renter occupied <sup>3</sup>	23,560	34.3	25,656	32.4	3,653	32.2	876	40.4
White	19,601	28.5	20,788	26.3	3,201	28.2	647	29.8
Black	3,607	5.3	4,252	5.4	371	3.3	212	9.8
Vacant year-round	4,254	6.2	5,080	6.4	1,031	9.1	508	23.4
For sale only	501	.7	577	.7	249	2.2	34	1.6
For rent	1,666	2.4	1,489	1.9	345	3.0	139	6.4
Other vacant	2,087	3.0	2,963	3.7	437	3.9	335	15.4
Vacant, seasonal, or migratory	973	1.4	1,534	1.9	122	1.1	40	1.8

<sup>1</sup> Apr. 1, 1970, to Oct. 31, 1975. <sup>2</sup> Removed between Oct. 1973 and Oct. 31, 1975, by demolition, disaster, or other means. <sup>3</sup> Includes races not shown separately.

Source: U.S. Bureau of the Census, *Current Housing Reports*, series H-150-75, Annual Housing Survey: 1975, part A, *General Housing Characteristics for the United States and Regions*.

NO. 1332. RESIDENTIAL CAPITAL—STOCKS AND AVERAGE AGE: 1960 TO 1976

[As of Dec. 31. For residential capital. Data based on fixed residential capital formation components of the gross national product. For nonresidential business capital, see table 758. See *Historical Statistics, Colonial Times to 1970*, series F 528-534 and N 200-223 for related data]

ITEM	1960	1965	1970	1972	1973	1974	1975	1976
<b>Capital in current dollars (bil. dol.):</b>								
Gross stocks <sup>1</sup>	716.6	846.9	1,232.8	1,442.4	1,655.4	1,862.0	2,082.8	2,243.0
Private nonfarm: 1-4 units	587.9	681.9	970.8	1,119.4	1,273.6	1,425.2	1,580.1	1,722.6
5 or more units	48.5	72.4	126.8	152.2	200.5	231.7	257.0	278.0
Public: Federal, State and local	12.5	16.8	26.5	31.6	36.6	41.5	45.8	49.4
Farm (1-4 units)	43.8	43.5	54.2	58.4	64.2	69.8	75.4	79.7
Private nonhousekeeping	14.3	19.5	30.3	35.7	41.7	47.3	52.0	55.5
Mobile homes	5.0	7.5	16.5	23.2	29.1	35.5	40.0	44.2
Net stocks <sup>1,2</sup>	450.3	545.5	797.4	941.6	1,084.8	1,216.5	1,340.0	1,452.4
Private nonfarm: 1-4 units	380.0	445.2	628.7	726.8	827.3	921.8	1,018.3	1,109.8
5 or more units	27.5	48.4	90.5	122.1	150.3	173.8	190.7	204.3
Public: Federal, State and local	10.1	13.2	20.0	23.6	27.0	30.3	33.0	35.0
Farm (1-4 units)	19.6	18.8	22.8	24.3	26.4	28.5	30.6	32.3
Private nonhousekeeping	7.3	12.3	20.1	23.9	28.2	31.8	34.5	36.1
Mobile homes	3.2	4.6	11.0	16.0	20.1	24.1	26.0	27.5
<b>Capital in constant (1972) dollars (bil. dol.):</b>								
Gross stocks <sup>1</sup>	956.4	1,119.6	1,277.4	1,370.7	1,419.2	1,451.3	1,476.7	1,509.2
Private nonfarm: 1-4 units	787.1	903.7	1,006.9	1,063.1	1,090.0	1,108.7	1,128.6	1,156.1
5 or more units	64.9	95.9	131.6	156.9	171.6	180.3	183.5	186.6
Public: Federal, State and local	16.7	22.3	27.5	30.1	31.3	32.3	32.7	33.1
Farm (1-4 units)	58.7	57.6	56.2	55.4	54.9	54.3	53.9	53.5
Private nonhousekeeping	19.2	25.8	31.4	33.9	35.7	36.8	37.2	37.3
Mobile homes	5.3	8.5	16.1	22.6	26.3	29.0	30.3	31.6
Net stocks <sup>1,2</sup>	601.2	721.4	826.3	894.8	930.0	948.1	959.1	977.0
Private nonfarm: 1-4 units	508.7	590.0	652.1	690.3	708.0	717.1	727.4	744.8
5 or more units	36.9	64.1	93.9	115.9	128.6	135.2	136.2	137.1
Public: Federal, State and local	13.6	17.5	20.8	22.4	23.1	23.6	23.6	23.5
Farm (1-4 units)	26.2	25.0	23.6	23.0	22.6	22.1	21.9	21.7
Private nonhousekeeping	9.8	16.3	20.9	22.7	24.1	24.7	24.6	24.2
Mobile homes	3.5	5.2	10.8	15.6	18.2	19.7	19.7	19.7
<b>Average Age (years):</b>								
Gross stocks	28.0	26.4	25.8	25.1	24.8	24.9	25.0	25.1
Private nonfarm: 1-4 units	27.5	26.7	26.8	26.5	26.4	26.6	26.7	26.7
5 or more units	27.9	21.4	18.4	16.7	16.0	16.0	16.4	16.9
Federal	14.7	16.0	19.7	20.1	20.1	20.4	21.1	21.8
State and local	9.8	11.7	13.1	13.9	14.4	15.0	15.7	16.5
Farm (1-4 units)	45.0	45.5	45.9	46.0	46.2	46.4	46.5	46.4
Private nonhousekeeping	21.3	16.0	14.3	13.9	13.6	13.6	13.9	14.4
Mobile homes	5.4	6.1	5.4	5.0	4.9	5.1	5.6	6.0

<sup>1</sup> Includes other not shown separately.

<sup>2</sup> Using straight-line depreciation.

Source: U.S. Bureau of Economic Analysis, *Fixed Nonresidential Business and Residential Capital in the United States 1925-76*, and unpublished data.

## Construction and Housing

## No. 1333. HOUSING UNITS, BY GEOGRAPHIC REGIONS: 1960 TO 1975

[In thousands, except percent. Covers 243 SMSA's as defined Feb. 21, 1971. For definition of standard metropolitan statistical areas, see text, Appendix II. For composition of regions, see fig. I, inside front cover]

YEAR AND LOCATION	TOTAL					PERCENT DISTRIBUTION				
	U.S.	North- east	North Central	South	West	U.S.	North- east	North Central	South	West
1960, total.....	58,326	14,798	16,798	17,173	9,558	100.0	100.0	100.0	100.0	100.0
Inside SMSA's.....	38,633	11,834	10,514	9,052	7,233	66.2	80.0	62.6	52.7	75.7
Central cities.....	20,440	6,005	5,695	5,208	3,531	35.0	40.6	33.9	30.3	36.9
Not in central cities.....	18,193	5,829	4,818	3,844	3,701	31.2	39.4	28.7	22.4	38.7
Outside SMSA's.....	19,693	2,964	6,284	8,121	2,325	33.8	20.0	37.4	47.3	24.3
1970, total.....	68,679	16,643	18,973	21,031	12,032	100.0	100.0	100.0	100.0	100.0
Inside SMSA's.....	46,295	13,036	12,208	11,653	9,399	67.4	78.3	64.3	55.4	78.1
Central cities.....	22,594	6,211	5,977	6,154	4,251	32.9	37.3	31.5	29.2	35.3
Not in central cities.....	23,702	6,825	6,231	5,498	5,147	34.5	41.0	32.8	26.1	42.8
Outside SMSA's.....	22,384	3,607	6,765	9,378	2,633	32.6	21.7	35.7	44.6	21.9
1974, total.....	77,601	18,046	20,585	24,750	14,221	100.0	100.0	100.0	100.0	100.0
Inside SMSA's.....	52,066	13,727	13,212	13,954	11,173	67.1	76.1	64.2	56.4	78.6
Central cities.....	24,081	6,224	6,074	6,887	4,895	31.0	34.5	29.5	27.8	34.4
Not in central cities.....	27,985	7,503	7,138	7,067	6,277	36.1	41.6	34.7	28.6	44.1
Outside SMSA's.....	25,535	4,319	7,378	10,796	3,048	32.9	23.9	35.8	43.6	21.4
1975, total.....	79,087	18,053	21,035	25,364	14,635	100.0	100.0	100.0	100.0	100.0
Inside SMSA's.....	53,031	13,873	13,503	14,221	11,434	67.1	76.8	64.2	56.1	78.1
Central cities.....	24,245	6,226	6,107	6,975	4,937	30.7	34.5	29.0	27.5	33.7
Not in central cities.....	28,755	7,647	7,395	7,247	6,497	36.4	42.4	35.2	28.6	44.4
Outside SMSA's.....	26,057	4,180	7,532	11,143	3,201	32.9	23.2	35.8	43.9	21.9

Source: U.S. Bureau of the Census, *Census of Housing, 1960*, vol. I, and *1970*, vol. I; and *Current Housing Reports*, series H-150, Annual Housing Survey, part A, *General Housing Characteristics for the United States and Regions*.

## No. 1334. HOUSING UNITS—SELECTED CHARACTERISTICS, BY STATES: 1970

REGION AND STATE	All year- round units (1,000)	PERCENT—			REGION AND STATE	All year- round units (1,000)	Occu- pied units (1,000)	PERCENT—			
		Occupied units (1,000)	Owner occu- pied	With all plumb- ing <sup>1</sup>				Owner occu- pied	With all plumb- ing <sup>1</sup>	With 1 or more persons per room <sup>2</sup>	
U.S. ....	67,657	63,450	62.9	94.0	7.0	S.A.—Con.					
N.E. ....	8,844	3,645	60.9	96.0	5.8	Va. ....	1,484	1,391	62.0	87.9	5.2
Maine....	337	303	70.1	87.7	5.7	W. Va. ....	502	547	68.9	83.7	5.6
N.H. ....	247	225	68.2	94.6	6.0	N.C. ....	1,618	1,510	65.4	85.6	6.5
Vt. ....	149	132	69.1	94.1	5.7	S.C. ....	805	734	66.1	82.6	7.1
Mass....	1,838	1,760	57.5	96.7	5.8	Ga. ....	1,466	1,369	61.1	87.7	7.3
R.I. ....	306	292	57.9	97.2	5.8	Fla. ....	2,489	2,285	68.6	95.1	7.9
Conn....	968	933	62.5	97.5	6.0	E.S.C. ....	4,169	3,868	66.7	83.0	6.9
M.A. ....	12,331	11,837	56.6	96.8	6.3	Ky. ....	1,060	984	66.9	81.1	6.5
N.Y. ....	6,152	5,914	47.3	97.2	7.3	Tenn. ....	1,297	1,213	66.7	86.4	6.7
N.J. ....	2,303	2,218	60.9	97.7	5.9	Ala. ....	1,115	1,034	66.7	84.3	6.7
Pa. ....	3,876	3,705	68.8	95.6	5.1	Miss. ....	697	637	66.3	77.3	7.9
E.N.C. ....	13,108	12,383	67.5	95.7	6.9	W.S.C. ....	6,565	5,952	65.3	91.8	9.0
Ohio....	3,447	3,289	67.7	95.5	6.0	Ark. ....	673	615	66.7	83.2	6.8
Ind. ....	1,712	1,609	71.7	94.5	7.3	La. ....	1,146	1,052	63.1	89.4	11.3
Ill. ....	3,693	3,502	59.4	95.9	7.4	Okl. ....	938	851	69.2	94.0	6.2
Mich....	2,842	2,653	74.4	96.8	7.3	Tex. ....	3,808	3,432	64.7	93.5	9.4
Wis....	1,414	1,329	69.1	94.5	6.7	Mt. ....	2,718	2,518	65.5	95.5	8.8
W.N.C. ....	5,559	5,154	69.3	93.5	6.4	Mont. ....	240	217	65.7	93.4	8.5
Minn....	1,219	1,154	71.5	93.5	6.8	Idaho....	238	219	70.1	96.2	8.6
Iowa....	955	896	71.7	93.9	5.4	Wyo. ....	114	105	66.4	95.8	8.1
Mo. ....	1,664	1,521	67.2	92.3	7.0	Colo. ....	742	691	63.4	96.4	6.4
N. Dak. ....	200	182	68.4	89.9	7.9	N. Mex. ....	322	289	66.4	91.1	11.3
S. Dak. ....	222	201	69.6	90.0	7.2	Ariz. ....	578	539	65.3	95.3	10.4
Nebr. ....	512	474	66.4	95.6	5.9	Utah....	312	298	69.3	97.9	10.2
Kans....	787	727	69.1	95.8	5.6	Nev. ....	172	160	58.5	97.3	8.4
S.A. ....	10,142	9,438	63.5	90.0	6.8	Pac. ....	9,220	8,653	57.1	97.9	7.5
Del. ....	175	165	68.0	95.5	4.8	Wash. ....	1,204	1,106	66.8	97.4	5.2
Md. ....	1,235	1,175	58.8	95.9	5.9	Oreg. ....	735	692	66.1	97.0	5.3
D.C. ....	278	263	28.2	97.9	11.9	Calif. ....	6,977	6,574	54.9	98.3	7.7
						Alaska....	88	79	50.3	86.2	12.2
						Hawaii....	216	203	46.9	94.7	18.6

<sup>1</sup> Includes hot and cold piped water, as well as a flush toilet and bathtub or shower inside the structure for exclusive use of the people in the unit. <sup>2</sup> For units with all plumbing facilities.

# Housing Units—Summary

779

## NO. 1335. HOUSING UNITS—SUMMARY OF CHARACTERISTICS: 1960, 1970, AND 1975

(In thousands, except percent. For definition of standard metropolitan statistical area (SMSA), see Appendix II.  
For definition of median, see p. xii)

ITEM	1960	1970			1975		
		Total	Inside SMSA's	Outside SMSA's	Total	Inside SMSA's	Outside SMSA's
All housing units.....	58,326	68,672	46,289	22,383	79,087	53,031	26,057
Vacant, seasonal, and migratory.....	1,742	973	206	766	1,534	341	1,193
All year-round units.....	56,584	67,699	46,083	21,616	77,553	52,690	24,864
Urban.....	40,764	50,145	(NA)	(NA)	55,673	45,849	9,825
Rural.....	17,562	18,527	(NA)	(NA)	23,414	7,182	16,232
Units in 1-unit structures <sup>1,2</sup> .....	44,525	46,791	29,033	17,758	52,618	32,798	19,820
Percent of total.....	76.4	71.3	64.3	86.7	70.9	63.8	86.8
Units in 2-4 unit structures <sup>2</sup> .....	7,552	9,007	7,184	1,823	9,802	7,928	1,874
Units in 5-or-more unit structures <sup>2</sup> .....	6,288	9,829	8,934	895	11,792	10,651	1,141
Units lacking some or all plumbing facilities <sup>2</sup> .....	7,699	4,398	1,494	2,904	2,706	950	1,757
Percent of total.....	13.2	6.5	3.2	13.4	3.5	1.8	7.1
Year structure built: <sup>2</sup>							
1965 or later.....	(X)	8,874	6,043	2,831	21,043	14,069	6,974
1960-1964.....	(X)	8,082	5,806	2,275	8,080	5,892	2,168
1950-1959.....	16,046	14,499	10,708	3,791	13,600	9,892	3,708
1940-1949.....	8,640	8,786	6,147	2,639	7,974	5,461	2,514
1939 or earlier.....	33,632	27,458	17,378	10,080	26,877	17,377	9,500
Percent units built prior to 1940.....	57.7	40.6	37.7	46.6	34.7	33.0	45.0
Units with— <sup>2</sup>							
1-2 rooms.....	4,400	3,583	2,727	857	3,473	2,644	829
3-4 rooms.....	19,425	21,558	14,808	6,751	24,119	16,804	7,316
5 rooms.....	14,323	16,998	11,233	5,765	19,126	12,473	6,655
6 or more rooms.....	20,161	25,559	17,315	8,244	30,835	20,768	10,067
Median number of rooms.....	4.9	5.0	5.0	5.1	5.1	5.0	5.1
Persons per unit..... median.....	3.0	3.1	3.1	3.2	2.5	2.5	2.5
Occupied units, total.....	53,024	63,445	43,859	19,586	72,523	49,666	22,857
With Black head of household.....	(NA)	6,174	4,739	1,436	7,581	5,872	1,689
Percent of total occupied.....	(NA)	9.7	10.8	7.3	10.4	11.8	7.4
Owner-occupied units.....	32,797	39,886	26,090	13,796	46,867	30,383	16,484
With value of— <sup>3</sup>							
Less than \$5,000.....	3,182	1,824	551	1,273	533	168	365
\$5,000-\$9,999.....	8,747	4,907	2,446	2,462	1,939	806	1,133
\$10,000-\$14,999.....	7,632	6,392	4,171	2,221	3,105	1,678	1,427
\$15,000-\$19,999.....	4,723	6,433	4,795	1,638	4,358	2,497	1,862
\$20,000-\$24,999.....	1,900	4,680	3,740	940	4,408	2,898	1,508
\$25,000-\$34,999.....	1,227	4,444	3,709	736	9,122	6,597	2,525
\$35,000-\$49,999.....	762	2,050	1,760	289	8,413	6,585	1,929
\$50,000 or more.....		997	887	110	5,452	4,563	888
Median value..... dol.....	11,900	17,100	19,000	12,200	20,500	32,200	23,400
Renter-occupied units.....	20,227	23,560	17,769	5,790	25,656	19,283	6,373
With monthly rent of— <sup>4</sup>							
Less than \$40.....	2,277	2,408	1,340	1,068	1,376	838	537
\$40-\$59.....	3,999						
\$60-\$79.....	4,906	3,058	2,159	900	1,479	879	600
\$80-\$99.....	3,490	3,701	2,879	822	1,889	1,197	693
\$100-\$119.....	1,093	3,332	2,739	592	2,371	1,678	697
\$120-\$149.....	973	3,772	3,283	489	3,936	2,989	946
\$150-\$199.....	571	3,304	2,986	318	6,381	5,340	1,040
\$200 or more.....		1,459	1,364	96	6,262	5,620	642
Median monthly rent..... dol.....	71	108	114	84	158	165	122
Percent of units with— <sup>5</sup>							
Telephone.....	78.5	87.0	89.1	82.2	90.0	91.3	87.2
Air-conditioning.....	12.4	36.7	30.7	30.0	50.6	52.8	45.7
Home food freezer.....	18.4	28.2	22.8	40.4	(NA)	(NA)	(NA)
One or more automobiles.....	78.4	82.5	81.4	86.0	88.4	82.7	85.1
Second home.....	(NA)	4.6	4.5	4.7	4.2	4.2	4.1
Vacancy rate:							
Homeowner units.....	1.6	1.2	1.1	1.5	1.2	1.2	1.2
Rental units.....	6.7	6.6	6.0	8.8	5.4	5.7	4.7

NA Not available. X Not applicable. <sup>1</sup> Excludes mobile homes or trailers. <sup>2</sup> Based on a complete count, but tabulated on a 20-percent sample basis. <sup>3</sup> Limited to one-family homes on less than 10 acres and no business on property. <sup>4</sup> Excludes one-family homes on 10 acres or more. <sup>5</sup> Occupied housing units.

Source: U.S. Bureau of the Census, *Census of Housing: 1960*, vol. I, and *1970*, vols. I and II; and *Current Housing Reports*, Series H-150-75, Annual Housing Survey: 1975, Part A, *General Housing Characteristics for the United States and Regions*.

## Construction and Housing

**NO. 1336. YEAR-ROUND HOUSING UNITS—TOTAL, STATUS OF PLUMBING FACILITIES, AND TENURE, BY RACE OF OCCUPANTS: 1960, 1970, AND 1975**

[In thousands, except percent. Refers to 243 standard metropolitan statistical areas (SMSA's) as defined in 1970 census publications. For definition of SMSA, see text, Appendix II]

ITEM	UNITED STATES			INSIDE SMSA'S			Out-side SMSA's	PERCENT		
	Total	Lack-ing some or all plumb-ing	Dilap-di-ated with all plumb-ing <sup>1</sup>	Total	In cen-tral cities	Out-side cen-tral cities		Inside SMSA's	In cen-tral cities	Out-side cen-tral cities
		Total								
1960, total.....	56,551	8,992	795	37,939	20,147	17,792	18,612	100.0	100.0	100.0
Owner occupied.....	32,795	3,470	250	21,311	9,141	12,170	11,484	45.4	68.4	61.7
Black.....	1,811	644	42	1,186	852	334	625	4.2	1.9	3.4
White and other.....	30,984	2,826	217	20,125	8,289	11,836	10,858	41.1	66.5	58.3
Renter occupied.....	20,226	4,315	420	14,556	9,942	4,614	5,670	49.3	25.9	30.5
Black.....	2,979	1,363	113	2,182	1,862	320	797	9.2	1.8	4.3
White and other.....	17,246	2,952	317	12,374	8,080	4,295	4,872	40.1	24.1	26.2
Vacant year round.....	3,531	1,208	106	2,072	1,064	1,008	1,459	5.3	5.7	7.8
For sale only.....	557	72	11	393	149	244	164	.7	1.4	.9
For rent.....	1,592	469	50	1,088	720	368	504	3.6	2.1	2.7
Other vacant.....	1,382	666	44	591	195	396	790	1.0	2.2	4.2
1970, total.....	67,700	4,672	1,765	46,083	22,584	23,499	21,616	100.0	100.0	100.0
Owner occupied.....	39,886	1,809	605	26,090	10,300	15,790	13,796	45.6	67.2	63.8
Black.....	2,568	386	111	1,825	1,335	490	742	5.9	2.1	3.4
White and other.....	37,319	1,423	494	24,265	8,965	15,300	13,054	39.7	65.1	60.4
Renter occupied.....	23,560	1,963	922	17,789	11,095	6,674	5,790	49.0	28.4	26.8
Black.....	3,607	656	273	2,913	2,498	416	693	11.1	1.8	3.2
White and other.....	19,953	1,308	649	14,856	8,597	6,259	5,097	38.1	26.6	23.6
Vacant year round.....	4,254	900	238	2,224	1,189	1,035	2,030	5.3	4.4	9.4
For sale only.....	501	49	22	298	130	168	203	.6	.7	.9
For rent.....	1,666	236	92	1,142	745	397	524	3.3	1.7	2.4
Other vacant.....	2,087	615	124	784	315	469	1,302	1.4	2.0	6.0
1975, total.....	77,553	2,706	(NA)	52,690	24,205	28,485	24,864	100.0	100.0	100.0
Owner occupied.....	46,867	842	(NA)	30,383	11,280	19,104	16,484	46.6	67.1	66.3
Black.....	3,309	233	(NA)	2,382	1,714	668	927	7.1	2.3	3.7
White and other.....	43,558	609	(NA)	28,001	9,566	18,436	15,557	39.5	64.7	62.6
Renter occupied.....	25,656	1,234	(NA)	19,283	11,469	7,814	6,373	47.4	27.4	25.6
Black.....	4,252	425	(NA)	3,490	2,893	597	762	12.0	2.1	3.1
White and other.....	21,404	809	(NA)	15,793	8,576	7,217	5,611	35.4	25.3	22.6
Vacant year round.....	5,030	630	(NA)	3,028	1,456	1,567	2,007	6.0	5.5	8.1
For sale only.....	577	22	(NA)	373	155	218	204	.6	.8	.8
For rent.....	1,459	156	(NA)	1,168	717	451	321	3.0	1.6	1.3
Other vacant.....	2,963	451	(NA)	1,483	585	899	1,482	2.4	3.2	6.0

NA Not available. <sup>1</sup> Estimated.

Source: U.S. Bureau of the Census, *U.S. Census of Housing, 1970, Plumbing Facilities and Estimates of Dilapidated Housing*, HC(6), and *Current Housing Reports*, series H-150-75, Annual Housing Survey: 1975, part A, *General Housing Characteristics for the United States and Regions*.

**NO. 1337. OCCUPIED UNITS—MONTHLY RENT AND VALUE: 1960 TO 1975**

[Percent distribution, except medians. Annual averages except as indicated. For definition of median, see p. xii]

MONTHLY RENT OF RENTER- OCCUPIED UNITS	1960, (Apr. 1)	1970	1973	1974	1975	1976	VALUE OF OWNER- OCCUPIED UNITS	1960, (Apr. 1)	1970	1973	1974	1975	1976
Total.....	100	100	100	100	100	100	Total.....	100	100	100	100	100	100
Less than \$60.....	53	22	19	14	12	9	Below \$10,000.....	38	22	17	10	9	6
\$60-\$79.....	25	22	15	12	11	10	\$10,000-\$14,999.....	29	17	13	11	11	8
\$80-\$99.....	12	15	13	11	12	10	\$15,000-\$19,999.....	18	21	16	14	13	11
\$100-\$119.....	8	{ 12	12	12	12	10	\$20,000-\$24,999.....	7	15	15	16	13	14
\$120-\$149.....	8	{ 14	17	18	17	18	\$25,000-\$34,999.....	5	15	21	26	25	26
\$150 or more.....	2	15	24	33	36	43	\$35,000 or more.....	3	10	18	23	29	35
Median...dol.....	58	87	105	121	123	137	Median.\$1,000.....	11.9	17.5	21.1	24.6	26.6	29.1

Source: U.S. Bureau of the Census, *Current Housing Reports*, series H-111, and *U.S. Census of Housing, 1970*, vol. I.

# Housing Units

781

## NO. 1338. OCCUPIED HOUSING UNITS—TENURE, AND POPULATION PER OCCUPIED UNIT, BY RACE OF HOUSEHOLD HEAD AND BY RESIDENCE: 1900 TO 1975

[In thousands, except percent. Prior to 1960, excludes Alaska and Hawaii. Tenure allocated for housing units which did not report. Minus sign (—) denotes decrease. See also *Historical Statistics, Colonial Times to 1970*, series N 238-245.]

YEAR, RACE, AND RESIDENCE	OCCUPIED UNITS <sup>1</sup>				AVERAGE ANNUAL PERCENT CHANGE <sup>2</sup>		Population per occupied unit <sup>4</sup>	
	Total	Owner occupied		Renter occupied	Total occupied units	Total population <sup>3</sup>		
		Number	Percent	Number				
<b>TOTAL</b>								
1900.....	15,964	7,455	46.7	8,509	53.3	2.3	1.9	
1910.....	20,256	9,301	45.9	10,654	54.1	2.4	2.0	
1920.....	24,362	11,114	45.6	13,238	54.4	1.9	1.4	
1930.....	29,905	14,280	47.8	15,624	52.2	2.1	1.5	
1940.....	34,855	15,196	43.6	19,659	56.4	1.5	.7	
1950.....	42,826	23,560	55.0	19,266	45.0	2.1	1.4	
1960.....	53,024	32,797	61.9	20,227	38.1	2.2	1.7	
1970.....	63,450	39,885	62.9	23,565	37.1	1.8	1.2	
1975.....	72,523	46,867	64.6	25,656	35.4	2.7	.9	
<b>RACE</b>								
White:								
1900.....	14,064	7,007	49.8	7,057	50.2	2.3	2.0	
1910.....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
1920.....	21,826	10,511	48.2	11,315	51.8	(NA)	1.5	
1930.....	26,983	13,544	50.2	13,439	49.8	2.1	1.5	
1940.....	31,561	14,418	45.7	17,143	54.3	1.6	.7	
1950.....	39,044	22,241	57.0	16,803	43.0	2.2	1.3	
1960.....	47,880	30,823	64.4	17,067	35.6	2.1	1.6	
1970.....	56,529	36,979	65.4	19,551	34.6	1.7	1.2	
1975.....	63,860	43,072	67.4	20,788	32.6	2.5	.8	
Black and other:								
1900.....	1,900	448	23.6	1,452	76.4	2.8	1.6	
1910.....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
1920.....	2,526	603	23.9	1,923	76.1	(NA)	.6	
1930.....	2,922	737	25.2	2,185	74.8	1.5	1.4	
1940.....	3,293	778	23.6	2,516	76.4	1.2	.7	
1950.....	3,783	1,319	34.9	2,464	65.1	1.4	1.6	
1960.....	5,144	1,974	38.4	3,171	61.6	3.1	2.4	
1970.....	6,920	2,907	42.0	4,014	58.0	3.0	2.3	
1975.....	8,663	3,795	43.8	4,868	56.2	4.6	2.1	
<b>RESIDENCE</b>								
Nonfarm:								
1900.....	10,274	3,790	36.9	6,484	63.1	2.6	(NA)	
1910.....	14,132	5,454	38.6	8,678	61.4	3.2	(NA)	
1920.....	17,600	7,189	40.8	10,411	59.2	2.2	(NA)	
1930.....	23,300	10,721	46.0	12,579	54.0	2.8	2.3	
1940.....	27,748	11,413	41.1	16,335	58.9	1.8	.9	
1950.....	37,105	19,802	53.4	17,304	46.6	2.9	2.4	
1960 <sup>5</sup> .....	49,468	30,164	61.0	19,294	39.1	2.9	2.5	
1970 <sup>5</sup> .....	60,351	37,393	62.0	22,957	38.0	2.0	1.7	
1975 <sup>5</sup> .....	69,880	44,714	64.0	25,166	36.0	3.0	(NA)	
Farm:								
1900.....	5,690	3,665	64.4	2,025	35.6	1.8	(NA)	
1910.....	6,124	3,847	62.8	2,276	37.2	.7	(NA)	
1920.....	6,751	3,925	58.1	2,827	41.9	1.0	(NA)	
1930.....	6,605	3,560	53.9	3,045	46.1	—.2	—.5	
1940.....	7,107	3,783	53.2	3,324	46.8	.7	(Z)	
1950.....	5,721	3,758	65.7	1,963	34.3	—2.1	—2.8	
1960 <sup>5</sup> .....	3,566	2,633	73.8	933	26.2	—4.6	—3.8	
1970 <sup>5</sup> .....	3,095	2,492	80.5	603	19.5	—1.4	—4.7	
1975 <sup>5</sup> .....	2,644	2,154	81.5	490	18.5	—3.1	(NA)	

NA. Not available. Z. Less than .05 percent.

<sup>1</sup> Statistics on the number of occupied units are essentially comparable although identified by various terms—the term "family" applies to figures for 1930 and earlier; "occupied dwelling unit," 1940 and 1950; and "occupied housing unit," 1960, 1970, and 1975. For 1910 and 1920, includes the small number of quasi-families; 1900 and 1930 represent private families only.

<sup>2</sup> For 1900, change from 1890. <sup>3</sup> Total resident population; see tables 1 and 24.

<sup>4</sup> From 1950 to 1970, population in occupied housing units was determined by dividing population in housing units by number of occupied housing units.

<sup>5</sup> Not comparable with data for earlier censuses because of a basic change in definition of farm residence. For definitions used in 1960 and 1970, see text, p. 2.

<sup>6</sup> For 1900 to 1920, includes a small proportion of urban-farm families in addition to rural-farm.

Source: U.S. Bureau of the Census, *Census of Population and Housing: 1960 and 1970*; and *Current Housing Reports*, series II-150-75, Annual Housing Survey: 1975, part A, *General Characteristics for the United States and Regions* (advance report).

**NO. 1339. OCCUPIED HOUSING UNITS—PERCENT OF HOME OWNERSHIP, BY RACE OF HOUSEHOLD HEAD, INSIDE AND OUTSIDE SMSA'S, BY REGION: 1960 TO 1975**

[Refers to 243 standard metropolitan statistical areas (SMSA's) as defined in 1970 census publications. For definition of SMSA's, see text, Appendix II. For composition of regions, see fig. I, inside front cover]

YEAR AND REGION	TOTAL		INSIDE SMSA'S				OUTSIDE SMSA'S			
			Total		In central cities					
	White	Black <sup>1</sup>	White	Black <sup>1</sup>	White	Black <sup>1</sup>	White	Black <sup>1</sup>		
<b>1960:</b>										
United States	64.4	38.4	62.1	35.7	51.1	31.7	73.4	51.6	69.0	44.8
Northeast	58.1	27.0	55.5	26.4	37.5	22.3	72.6	46.7	70.0	42.0
North Central	69.1	35.8	67.3	34.2	56.0	31.4	79.2	56.5	72.0	54.3
South	66.4	41.6	65.0	39.7	60.5	35.9	72.3	51.3	67.1	43.6
West	62.5	44.6	61.6	42.5	55.0	38.4	67.7	54.0	65.5	54.6
<b>1970:</b>										
United States	65.4	41.6	62.3	38.5	51.3	34.8	71.1	54.1	72.1	51.7
Northeast	60.4	28.6	57.4	28.1	38.8	24.2	71.7	47.3	72.1	42.6
North Central	70.2	42.0	67.8	41.3	56.5	38.9	76.5	58.8	74.4	56.3
South	68.2	46.9	65.3	43.4	59.5	39.1	70.7	57.3	71.9	52.0
West	60.2	40.1	58.6	40.0	52.0	36.6	63.6	49.6	66.1	42.1
<b>1975:</b>										
United States	67.4	43.8	64.4	40.6	53.4	37.2	72.1	52.8	73.6	54.9
Northeast	62.9	29.0	60.2	28.3	42.0	25.1	72.1	42.9	72.5	41.7
North Central	71.5	46.8	69.7	46.2	59.0	43.8	76.7	60.2	74.6	55.0
South	70.1	48.7	65.0	44.1	58.2	39.6	71.9	57.4	75.4	55.9
West	63.0	41.2	61.7	41.4	54.7	40.5	66.5	43.7	67.3	36.1

<sup>1</sup> For 1960, represents Black and other races.

Source: U.S. Bureau of the Census, Census of Population and Housing: 1970, PHC(2), *General Demographic Trends for Metropolitan Areas, 1960 to 1970*; and *Current Housing Reports*, series H-150-75, part A.

**NO. 1340. OCCUPIED UNITS—SELECTED CHARACTERISTICS OF OWNER-OCCUPIED AND RENTER-OCCUPIED UNITS: 1960 TO 1976**

[Percent distribution, except as indicated. Annual averages, except as noted]

CHARACTERISTIC	1960 <sup>1</sup>			1970			1976		
	Total occupied units	Owner occupied	Renter occupied	Total occupied units	Owner occupied	Renter occupied	Total occupied units	Owner occupied	Renter occupied
Percent of total	100.0	61.9	38.1	100.0	64.2	35.8	100.0	64.6	35.4
Median <sup>2</sup> rooms, number	4.9	5.5	3.9	5.2	5.7	4.1	5.2	5.8	4.0
Percent distribution	100	100	100	100	100	100	100	100	100
Rooms in unit:									
1 room	2	5	1	3	3	1	3	2	6
2 rooms	4	6	9	3	7	2	21	10	24
3 rooms	11	23	9	3	21	10	20	12	35
4 rooms	21	17	28	19	14	30	20	18	17
5 rooms	26	29	19	26	28	21	23	27	10
6 rooms	20	26	10	22	27	11	21	27	5
7 rooms or more	16	22	6	20	28	7	23	32	14
Units in structure:									
1 unit	76	94	48	74	94	38	72	94	33
2 units	8	4	13	9	4	18	8	4	15
3 and 4 units	5	12	5	5	11	2	11	3	12
5-9 units	11	2	9	4	2	11	11	2	14
10 units or more	18	8	8	22	22	15	22	26	26
Plumbing facilities:									
With all facilities	84	89	77	95	97	91	97	98	95
Lacking facilities	16	11	23	5	3	9	3	2	5
Year structure built:									
1965 or later	(X)	(X)	(X)	12	13	9	26	26	25
1960-1964	(X)	(X)	(X)	12	13	10	10	10	7
1950-1959	27	34	16	18	24	12	17	21	11
1940-1949	15	16	13	14	14	13	11	12	11
1939 or earlier	58	50	71	43	36	56	36	31	46

X Not applicable. <sup>1</sup> As of April 1. <sup>2</sup> For definition of median, see p. xii.

Source: U.S. Bureau of the Census, *Current Housing Reports*, series H-111.

# Heating Equipment—Improvement Expenditures

783

**NO. 1341. HEATING EQUIPMENT AND FUELS FOR OCCUPIED UNITS: 1950 TO 1975**  
 [In thousands, except percent]

ITEM	1950	1960	1970	1974	1975	PERCENT DISTRIBUTION					
						1950		1960		1970	
						Occupied units, total	42,826	53,024	63,445	70,830	72,523
Warm air furnace	11,508	17,378	27,515	35,780	36,999	1	26.9	32.8	43.4	50.5	51.0
Steam or hot water	10,071	11,990	13,211	13,563	13,792	23.5	22.6	20.8	19.1	19.0	
Built-in electric units	—	664	3,236	4,437	4,625	—	1.3	5.1	6.3	6.4	
Floor, wall, or pipeless furnace	(1)	6,088	5,552	6,046	6,580	(1)	11.5	8.8	9.3	9.1	
Room heaters with flue	215,399	211,183	7,209	4,905	4,747	2	36.0	21.1	11.4	6.9	6.5
Room heaters without flue	5,268	5,218	3,558	3,308	3,330	12.3	9.8	5.6	4.7	4.6	
Fireplaces, stoves, or portable heaters	(2)	(2)	2,766	1,706	1,982	(2)	(2)	4.4	2.4	2.7	
None	581	503	398	484	468	1.4	.9	.6	.7	.6	
<b>House heating fuel:</b>											
Utility gas	11,387	22,851	35,014	39,471	40,938	26.6	43.1	55.2	55.7	56.4	
Fuel oil, kerosene, etc.	9,686	17,158	16,473	16,835	16,299	22.6	32.4	26.0	23.8	22.5	
Electricity	283	933	4,876	8,407	9,173	.7	1.8	7.7	11.9	12.6	
Bottled, tank, or LP gas	787	2,686	3,807	4,143	4,146	1.8	5.1	6.0	5.8	5.7	
Coal or coke	14,828	6,456	1,821	741	573	34.6	12.2	2.9	1.0	.8	
Wood and other fuel	4,855	2,460	1,060	748	930	11.3	4.6	1.7	1.1	1.3	
None	999	478	395	484	468	2.3	.9	.6	.7	.6	
<b>Cooking fuel:</b>											
Utility gas	22,084	27,296	31,244	31,890	32,493	51.6	51.5	49.2	45.0	44.8	
Electricity	6,403	16,351	25,768	32,728	33,944	15.0	30.8	40.6	46.2	46.8	
Bottled, tank, or LP gas	3,417	6,491	5,314	5,561	5,440	8.0	12.2	8.4	7.9	7.5	
Other fuel	10,796	2,603	908	330	332	25.2	4.9	1.4	.5	.5	
None	124	280	213	321	315	.3	.5	.3	.4	.4	

— Represents zero. <sup>1</sup>"Floor, wall, or pipeless furnace" included in "Warm air furnace."

<sup>2</sup>"Fireplaces, stoves, or portable heaters" included in "Room heaters with flue."

Source: U.S. Bureau of the Census, *Census of Housing, 1960*, vol. I, No. 1; *Census of Housing, 1970* vol. I; and *Current Housing Reports*, series H-150, Annual Housing Survey, part A, *General Housing Characteristics for the United States and Regions*.

**NO. 1342. EXPENDITURES BY RESIDENTIAL PROPERTY OWNERS FOR IMPROVEMENTS AND MAINTENANCE AND REPAIRS: 1970 TO 1976**

[In millions of dollars, except averages]

YEAR AND TYPE OF EXPENDITURE	All properties	1-unit properties with owner occupant	Other properties	CONSTRUCTION IMPROVEMENTS			Maintenance and repairs	
				Additions and alterations		Major replacements		
				Total	Residential structure			
1970: All properties <sup>1</sup>	14,770	9,469	5,301	6,246	4,950	1,296	2,629	
Average per property	\$297	\$265	(NA)	(NA)	(NA)	(NA)	(NA)	
Heating and air conditioning <sup>2</sup>	1,865	1,027	338	532	532	(NA)	548	
Plumbing	1,376	704	672	337	337	(NA)	495	
Roofing	1,019	691	328	(NA)	(NA)	(NA)	614	
Painting	2,547	1,373	1,174	(NA)	(NA)	(NA)	2,547	
1975: All properties <sup>1</sup>	25,239	15,684	9,556	10,997	8,815	2,182	4,484	
Average per property	\$459	\$382	\$685	\$200	\$160	\$40	\$82	
Heating and air conditioning <sup>2</sup>	1,631	1,097	534	457	457	(NA)	689	
Plumbing	2,287	1,174	1,113	532	532	(NA)	859	
Roofing	2,325	1,493	832	(NA)	(NA)	(NA)	1,471	
Painting	3,895	2,088	1,807	(NA)	(NA)	(NA)	3,895	
1976: All properties <sup>1</sup>	29,034	18,854	10,180	12,314	9,860	2,454	5,341	
Average per property	\$515	\$450	\$703	\$218	\$175	\$44	\$95	
Heating and air conditioning <sup>2</sup>	2,058	1,277	781	750	750	(NA)	730	
Plumbing	2,550	1,349	1,201	508	508	(NA)	984	
Roofing	2,147	1,218	929	(NA)	(NA)	(NA)	1,370	
Painting	4,541	2,387	2,154	(NA)	(NA)	(NA)	4,541	

NA Not available. <sup>1</sup>Includes types of expenditures not separately specified.

<sup>2</sup>Central air conditioning.

Source: U.S. Bureau of the Census, *Construction Reports*, series C 50.

## Construction and Housing

## No. 1343. SELECTED HOUSEHOLD AND HOUSING CHARACTERISTICS OF HOMEOWNERS AND RENTERS, BY INCOME: 1975

CHARACTERISTIC	OWNER OCCUPIED UNITS— INCOME <sup>1</sup>				RENTER OCCUPIED UNITS— INCOME <sup>1</sup>				
	Less than \$5,000	\$5,000 to \$9,999	\$10,000 to \$14,999	\$15,000 or more	Less than \$5,000	\$5,000 to \$9,999	\$10,000 to \$14,999	\$15,000 or more	
	1,000	7,265	9,000	9,820	20,784	8,294	7,474	5,197	4,691
Occupied units, total	1,000	7,265	9,000	9,820	20,784	8,294	7,474	5,197	4,691
<b>Percent with:</b>									
Male head, wife present, no relatives	39.1	65.1	81.1	90.3	19.9	44.9	59.6	72.7	
Female head (2 or more persons)	13.2	14.2	8.2	3.5	24.6	19.1	10.5	6.1	
One-person household	45.0	16.6	7.1	3.1	49.4	29.4	23.4	15.9	
Household head 65 years and over	57.1	37.1	13.1	6.2	33.5	13.0	6.2	5.0	
Own children under 18 years	15.6	32.0	52.1	56.6	26.0	38.2	40.6	40.1	
<b>Percent:</b>									
Lacking some or all plumbing facilities	6.6	2.5	.8	.3	9.7	4.1	1.9	.6	
With 1.01 persons or more per room	2.4	4.8	5.0	3.8	5.8	8.6	8.7	5.3	
Built 1960 or later	25.0	33.1	38.4	46.3	26.2	34.2	38.5	48.2	
With units inside SMSA's <sup>2</sup>	51.8	56.4	62.8	74.0	71.3	74.1	77.3	81.3	
In central cities	24.8	23.7	24.4	23.8	49.8	44.6	40.8	40.2	
Owned second home	2.5	3.5	4.0	7.3	1.1	1.6	2.7	5.9	
With air conditioning <sup>3</sup>	40.3	49.5	54.1	62.2	28.7	41.4	51.1	62.8	
Reporting failures in:									
Water supply <sup>4</sup>	2.8	2.5	2.2	1.9	2.8	2.8	2.7	2.7	
Heating equipment <sup>5</sup>	5.1	5.4	6.2	5.8	8.8	9.9	9.5	11.0	

<sup>1</sup> Income of families and primary individuals for the 12 months prior to enumeration. <sup>2</sup> For definition, see text, Appendix II. <sup>3</sup> Covers room units and central systems. <sup>4</sup> For units occupied 3 months or longer with piped water inside structure. <sup>5</sup> For units occupied previous winter with heating equipment.

Source: U.S. Bureau of the Census, *Current Housing Reports*, series II-150-75C, Annual Housing Survey: 1975, *Financial Characteristics of the Housing Inventory for the United States and Regions*.

## No. 1344. SELECTED ELECTRICAL APPLIANCES—NUMBER AND PERCENT OF HOMES WITH APPLIANCES: 1960 TO 1976

[As of December 31. Percentages based on total number of homes wired for electricity]

ITEM	HOMES WITH APPLIANCES (mil.)						PERCENT WITH APPLIANCES					
	1960	1965	1970	1974	1975	1976	1960	1965	1970	1974	1975	1976
Number of wired homes	51.7	57.6	64.0	70.9	72.7	74.1	(X)	(X)	(X)	(X)	(X)	(X)
Air-conditioners, room	7.8	13.9	26.0	36.6	38.4	40.3	15.1	24.2	40.6	51.6	52.8	54.4
Bed coverings	12.2	20.0	31.7	39.5	41.4	43.4	23.6	34.7	49.5	55.7	57.0	58.6
Blenders	4.2	7.5	23.4	31.1	32.9	35.3	8.0	13.0	36.5	43.8	45.2	47.6
Can openers	2.5	14.2	29.1	37.1	39.7	41.8	4.8	24.7	45.5	52.3	54.6	56.4
Coffeemakers	30.2	41.3	56.7	68.4	71.0	73.6	58.3	71.7	88.6	96.5	97.7	99.4
Dishwashers	3.7	7.8	17.0	26.0	27.9	29.4	7.1	13.5	26.5	36.6	38.3	39.6
Disposers, food waste	5.4	7.8	16.3	26.4	28.2	30.2	10.5	13.6	25.5	37.2	38.8	40.7
Dryers, clothes (incl. gas)	10.1	15.2	28.6	40.1	42.0	43.4	19.6	26.4	44.6	56.5	57.7	58.6
Freezers, home	12.1	15.7	20.0	29.6	31.6	32.9	23.4	27.2	31.2	41.7	43.5	44.4
Frypans	22.5	28.3	36.0	43.7	45.8	47.1	43.4	49.2	56.2	61.6	63.0	63.6
Hotplates and buffet ranges	12.5	13.1	15.7	18.1	19.7	24.2	22.7	24.5	25.5	26.2	26.6	
Irons, total	45.7	57.1	63.8	70.8	72.6	74.0	88.4	99.1	99.7	99.9	99.9	99.9
Steam and steam/spray	30.6	43.5	56.5	67.4	70.7	72.4	59.2	75.5	88.2	95.0	97.2	97.7
Microwave ovens	(NA)	(NA)	(NA)	1.6	2.3	3.4	(NA)	(NA)	(NA)	2.2	3.2	5.1
Mixers	29.0	41.9	52.8	62.8	65.6	67.5	56.0	72.8	82.4	88.5	90.2	91.1
Radios	50.3	57.3	63.9	70.8	72.6	74.0	194.3	199.5	99.8	99.9	99.9	99.9
Ranges: Free-standing	16.0	18.5	25.9	34.6	35.8	37.4	30.9	32.1	40.5	48.8	49.2	50.4
Built-in	3.3	5.9	9.6	13.3	14.0	14.6	6.4	10.3	15.0	18.8	19.3	19.7
Refrigerators	50.8	57.3	68.9	70.8	72.6	73.9	98.2	99.5	99.8	99.9	99.9	99.8
Television: Black and white	46.2	55.9	63.2	70.8	72.6	74.0	89.4	97.1	98.7	99.9	99.9	99.9
Color	(NA)	5.5	27.2	50.7	54.1	57.5	(NA)	9.5	42.5	71.5	74.4	77.7
Toasters	37.2	48.1	59.3	69.3	71.7	73.6	72.0	83.6	92.6	97.8	98.6	99.4
Vacuum cleaners	38.4	48.1	58.9	69.8	72.1	73.7	74.3	83.5	92.0	98.4	99.2	99.5
Washers, clothes	28.6	33.1	39.8	48.5	50.8	53.7	55.4	57.4	62.1	68.4	69.0	72.5
Water heaters	9.8	13.5	20.2	28.2	29.4	30.9	18.9	23.4	31.6	39.8	40.4	41.7

NA Not available. X Not applicable.

<sup>1</sup> Based on 53,300,000 homes in 1960, and 58,566,000 in 1965.

Source: Billboard Publications, Inc., New York, N.Y., *Merchandising*, annual statistical issues. (Copyright.)

## NO. 1345. OCCUPIED UNITS—SELECTED NEIGHBORHOOD CHARACTERISTICS OF HOME-OWNERS AND RENTERS, INSIDE AND OUTSIDE SMSA'S: 1975

[In thousands of units. Data based on the respondent's opinion and attitude toward the street and neighborhood in which he lives. Refers to 243 standard metropolitan statistical areas (SMSA's) as defined Feb. 21, 1971. For definition of SMSA's, see text, Appendix II.]

CHARACTERISTIC	OWNER-OCCUPIED UNITS			RENTER-OCCUPIED UNITS				
	Total	Inside SMSA's		Out-side SMSA's	Total	Inside SMSA's		
		Total	In central cities			Total	In central cities	Out-side SMSA's
Occupied units, total <sup>1</sup> -----	46,867	30,383	11,280	16,484	25,656	19,283	11,469	6,373
<b>NEIGHBORHOOD CONDITIONS</b>								
No undesirable conditions-----	11,069	7,100	2,684	3,980	5,540	4,016	2,271	1,525
Undesirable conditions <sup>2</sup> -----	35,649	23,173	8,601	12,476	19,985	15,155	9,134	4,830
Airplane noise-----	7,863	6,347	2,392	1,516	4,001	3,458	1,923	543
Street noise-----	15,107	9,936	3,980	5,171	9,962	7,612	4,647	2,351
Heavy traffic-----	12,052	8,130	3,396	4,822	8,031	6,864	4,357	2,067
Streets need repair-----	8,730	4,731	1,696	3,099	3,048	2,527	1,495	1,121
Roads impassable-----	5,366	3,173	1,235	2,194	2,359	1,718	1,011	642
Inadequate street lighting-----	13,123	7,948	1,880	5,175	4,983	3,383	1,619	1,599
Crime-----	7,573	6,047	2,713	1,526	5,757	5,103	3,631	654
Litter-----	6,438	4,159	1,879	2,279	3,975	3,239	2,327	736
Abandoned buildings-----	2,697	1,715	895	982	2,265	1,841	1,412	425
Deteriorating housing-----	3,970	2,728	1,280	1,241	2,894	2,238	1,633	655
Commercial or industrial-----	5,991	3,909	1,688	2,082	6,375	5,050	3,175	1,325
Odors-----	4,088	2,780	1,104	1,302	2,324	1,838	1,162	486
<b>NEIGHBORHOOD SERVICES</b>								
Adequate services-----	21,321	15,022	7,417	5,399	15,328	12,671	8,140	2,657
Inadequate services <sup>2</sup> -----	25,387	14,351	3,807	11,036	10,175	6,482	3,252	3,693
Public transportation-----	19,659	10,571	1,925	9,088	6,481	3,440	1,066	3,041
Schools-----	1,792	1,147	492	645	800	632	418	169
Shopping-----	6,846	3,801	1,230	3,045	2,772	1,911	1,155	862
Police protection-----	4,115	2,196	810	1,919	2,002	1,460	1,021	542
Fire protection-----	2,412	775	153	1,637	680	283	150	397
Hospitals or health clinics-----	6,148	3,279	768	2,809	2,422	1,509	717	913

<sup>1</sup> Includes respondents that did not report conditions or services.

<sup>2</sup> Figures will not add to total because more than one condition or service may be reported for the same unit.

Source: U.S. Bureau of the Census, *Current Housing Reports*, series H-150-75B, Annual Housing Survey: 1975, *Indicators of Housing and Neighborhood Quality*.

## NO. 1346. LOW RENT PUBLIC HOUSING—NUMBER OF FAMILIES MOVING IN, 1971 TO 1976, AND CHARACTERISTICS, BY MINORITY GROUP CATEGORY, 1976

[For years ending September 30]

CHARACTERISTIC	All families <sup>1</sup>	White <sup>2</sup>	Negro	American Indian	Spanish American	Oriental	PERCENT OF ALL FAMILIES		
							Elderly	Receiving assistance <sup>3</sup>	With no workers
Number moving in during—									
1971-----	179,739	88,132	487,187	(4)	(4)	(4)	38	72	(NA)
1972-----	118,578	53,939	47,551	1,878	10,426	892	33	71	(NA)
1973-----	102,141	41,683	50,241	968	6,541	477	32	71	65
1974-----	163,235	73,824	69,764	1,197	16,216	539	32	67	63
1975-----	137,036	64,090	57,777	1,105	11,863	548	36	72	68
1976-----	74,175	29,758	32,455	739	9,941	416	34	74	70
Avg. number of minors-----	1.50	.98	1.78	2.15	2.08	1.96	(X)	(X)	(X)
Medians: <sup>4</sup>									
Age of family head-----yr	34	53	30	32	33	40	(X)	(X)	(X)
Annual income-----\$ dol.	3,437	3,335	3,350	4,287	4,116	4,474	(X)	(X)	(X)
Monthly gross rent-----\$ dol.	57	57	51	65	66	67	(X)	(X)	(X)

NA. Not available. X. Not applicable. <sup>1</sup> Includes data for families not available by minority group.

<sup>2</sup> Nonminority. <sup>3</sup> Includes families receiving benefits. <sup>4</sup> Other minority groups included with Negro.

<sup>5</sup> For definition of median, see p. xii.

Source: U.S. Dept. of Housing and Urban Development, *HUD Statistical Yearbook*.

## Construction and Housing

## NO. 1347. LOW-RENT PUBLIC HOUSING UNITS, BY PROGRESS STAGE: 1960 TO 1976

In thousands. As of December 31. Includes Puerto Rico and Virgin Islands. Covers units subsidized by U.S. Department of Housing and Urban Development (HUD) under annual contributions contracts. See also *Historical Statistics, Colonial Times to 1970*, series N 186-191]

YEAR AND PROGRAM	Total	Occupied units <sup>1</sup>	Under construction	Not under construction <sup>2</sup>	YEAR AND PROGRAM	Total	Occupied units <sup>1</sup>	Under construction	Not under construction <sup>2</sup>
1960	593.3	478.2	36.4	78.8	1975	1,316.7	1,180.4	52.9	83.4
Elderly <sup>3</sup>	18.9	1.1	4.1	13.7	Elderly <sup>3</sup>	336.3	288.3	24.3	23.7
1965	735.7	604.9	42.4	88.4	New construction	1,090.3	1,019.3	40.4	30.6
Elderly <sup>3</sup>	97.7	36.2	21.6	40.0	Conventional <sup>4</sup>	878.6	847.2	15.5	15.9
1970	1,155.3	893.5	126.8	135.0	Turnkey <sup>6</sup>	211.7	172.1	24.9	14.7
Elderly <sup>3</sup>	249.4	143.4	65.7	40.3	Acquisition <sup>6</sup>	60.8	44.3	-	16.5
1971	1,175.9	992.7	117.3	65.8	Leased housing <sup>7</sup>	165.6	116.8	12.5	36.3
Elderly <sup>3</sup>	279.6	205.7	51.3	22.6	New	73.4	44.5	10.4	18.5
1972	1,260.2	1,055.0	105.9	99.3	1976	1,324.1	1,197.2	46.2	80.7
Elderly <sup>3</sup>	316.7	232.0	49.1	35.6	Elderly <sup>3</sup>	341.9	296.3	24.3	21.3
1973	1,323.6	1,109.1	96.7	117.8	New construction	1,096.3	1,034.0	34.8	27.5
Elderly <sup>3</sup>	333.9	261.8	35.8	36.3	Conventional <sup>4</sup>	881.8	854.0	14.4	13.4
1974	1,314.0	1,151.0	64.8	98.2	Turnkey <sup>5</sup>	214.5	180.0	20.4	14.1
Elderly <sup>3</sup>	327.3	265.1	32.3	29.9	Acquisition <sup>6</sup>	62.0	44.4	-	17.6

<sup>1</sup> Represents zero. <sup>2</sup> Units under management or available for occupancy.

<sup>2</sup> Units to be constructed and units to go directly "under management" because no rehabilitation needed.

<sup>3</sup> Covers units designed specifically for persons 62 years old or over, disabled, or handicapped.

<sup>4</sup> New housing constructed on the Local Housing Authority (LHA) site pursuant to a contract let by the LHA.

<sup>5</sup> New housing purchased by the LHA from a private developer upon completion of construction pursuant to an earlier agreement. <sup>6</sup> Existing housing acquired by the LHA.

<sup>7</sup> Existing housing leased by LHA from an owner under a contract permitting LHA to sub-lease the units.

Source: U.S. Dept. of Housing and Urban Development, Housing Production and Mortgage Credit-FHA, *HUD Statistical Yearbook*, and unpublished data.

## NO. 1348. VACANCY RATES FOR HOUSING UNITS—SELECTED CHARACTERISTICS: 1973 TO 1976

In percent. Annual averages. Based on Current Population Survey; see text, p. 1. Rate is relationship between vacant housing for rent or for sale and the total supply, which comprises occupied units, units already rented or sold and awaiting, and vacant units available for rent. For composition of regions, see fig. I, inside front cover. For definition of standard metropolitan statistical areas (SMSA), see Appendix II. See also *Historical Statistics, Colonial Times to 1970*, series N 249-258]

RENTAL UNITS	1973	1974	1975	1976	HOMEOWNER UNITS	1973	1974	1975	1976
<b>Total units</b>	<b>5.8</b>	<b>6.2</b>	<b>6.0</b>	<b>5.6</b>	<b>Total units</b>	<b>1.0</b>	<b>1.2</b>	<b>1.2</b>	<b>1.2</b>
Inside SMSA's	5.7	6.2	6.1	5.7	Inside SMSA's	1.1	1.2	1.3	1.2
Outside SMSA's	6.1	6.2	5.7	5.1	Outside SMSA's	1.0	1.1	1.1	1.2
Northeast	3.9	4.2	4.1	4.7	Northeast	.6	.8	1.0	1.0
North Central	5.0	6.1	5.7	5.6	North Central	1.0	1.0	1.0	1.0
South	7.1	8.0	7.7	6.4	South	1.2	1.5	1.5	1.6
West	6.3	6.2	6.2	5.4	West	1.4	1.5	1.5	1.2
Units in structure:					Units in structure:				
1 unit	4.3	3.8	3.6	3.2	1 unit	1.0	1.0	1.0	1.0
2 or more units	7.0	7.5	7.3	6.8	2 or more units	3.3	4.7	5.4	5.3
5 or more units	8.1	8.8	8.3	7.8	5 or more units	9.3	12.6	14.4	14.4
Units with: 3 rooms or less	8.2	9.0	8.4	8.1	Units with: 3 rooms or less	2.6	3.6	3.5	5.1
4 rooms	6.0	6.0	5.8	4.9	4 rooms	1.7	2.1	2.1	1.8
5 rooms	4.5	4.8	4.6	4.8	5 rooms	1.1	1.2	1.1	1.1
6 rooms or more	3.4	3.2	3.3	2.9	6 rooms or more	.8	.9	1.0	1.0
Monthly rent: Less than \$60	6.0	5.6	5.5	4.8	Value: Less than \$10,000	1.0	1.1	1.4	1.8
\$60-\$79	5.7	5.8	5.7	6.2	\$10,000-\$19,999	1.0	1.0	1.0	1.1
\$80-\$99	4.9	6.4	4.6	5.0	\$20,000-\$24,999	1.0	1.0	.9	.9
\$100 or more	6.5	6.8	6.7	5.9	\$25,000 or more	1.0	1.3	1.4	1.3
Year built: 1960 or later	8.1	8.6	8.3	6.5	Year built: 1960 or later	1.5	1.9	2.2	1.9
1965 or later	9.2	9.8	9.0	7.3	1965 or later	2.0	2.4	2.7	2.4
1940-1959	5.4	5.3	4.8	4.8	1940-1959	.7	.6	.5	.6
1939 or earlier	5.4	5.5	5.4	5.5	1939 or earlier	1.1	1.1	1.1	1.2
Plumbing:					Plumbing:				
With all facilities	5.8	6.1	5.9	5.4	With all facilities	1.1	2.2	1.3	1.2
Lacking facilities	10.2	10.0	11.2	10.7	Lacking facilities	1.9	1.4	2.0	3.1

Source: U.S. Bureau of the Census, *Current Housing Reports*, series H-111.

# Vacancies—New Apartments—Houses Sold

787

## NO. 1349. VACANT HOUSING UNITS—PERCENT, BY TYPE OF VACANCY AND INSIDE AND OUTSIDE STANDARD METROPOLITAN STATISTICAL AREAS: 1973 TO 1976

(Annual averages. See headnote, table 1348. See also *Historical Statistics, Colonial Times to 1970*, series N 247-248)

STATUS	TOTAL				INSIDE SMSA'S <sup>1</sup>				OUTSIDE SMSA'S <sup>1</sup>			
	1973	1974	1975	1976	1973	1974	1975	1976	1973	1974	1975	1976
All units.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Occupied.....	91.3	91.1	91.3	91.6	93.0	92.7	92.8	93.0	87.8	87.7	88.1	88.5
Vacant, seasonal.....	2.2	2.3	2.1	2.0	1.0	1.0	.9	.9	4.8	4.8	4.6	4.2
Vacant, year-round.....	6.5	6.6	6.6	6.4	6.0	6.3	6.3	6.1	7.4	7.5	7.3	7.3
For rent.....	2.0	2.1	2.1	1.9	2.2	2.4	2.4	2.2	1.6	1.6	1.5	1.3
For sale only.....	.6	.7	.7	.7	.6	.7	.8	.7	.6	.7	.7	.8
Rented or sold <sup>2</sup> .....	.7	.7	.7	.7	.8	.8	.7	.8	.6	.6	.5	.6
Held off market <sup>3</sup> .....	3.2	3.1	3.1	3.1	2.4	2.4	2.4	2.4	4.6	4.6	4.6	4.6
Used occasionally.....	.8	.8	.8	.9	.4	.4	.5	.5	1.6	1.6	1.6	1.7
Temporarily occupied.....	.6	.6	.6	.6	.6	.6	.6	.6	.5	.6	.6	.6

<sup>1</sup> Based on 1970 census SMSA definitions.

<sup>2</sup> Awaiting occupancy.

<sup>3</sup> Includes "other," not shown separately.

Source: U.S. Bureau of the Census, *Current Housing Reports*, series H-111.

## NO. 1350. NEW APARTMENTS COMPLETED AND RENTED IN 3 MONTHS: 1971 TO 1976

[In thousands, except percent and median rent. Privately financed, nonsubsidized, unfurnished apartments in structures with 5 or more units. Based on sample and subject to sampling variability. For methodology, see source; for definition of median, see p. xii]

YEAR AND ITEM	Total	RENT CLASSES					NUMBER OF BEDROOMS			Median monthly rent
		Less than \$150	\$150-\$174	\$175-\$199	\$200-\$249	\$250 or more	Less than 2	2	3 or more	
1971: Number.....	333	54.8	72.5	84.6	82.9	38.4	142.5	167.9	22.6	\$187
Percent rented in 3 mo.....	68	78	72	65	63	60	72	64	66	(X)
1972: Number.....	483	64.4	99.1	120.8	129.6	69.3	205.3	242.5	35.4	\$191
Percent rented in 3 mo.....	68	78	75	69	63	57	73	64	65	(X)
1973: Number.....	490	66.0	100.8	121.8	127.9	73.5	225.9	236.2	27.8	\$191
Percent rented in 3 mo.....	70	81	73	71	66	59	74	66	62	(X)
1974: Number.....	390	32.3	78.6	97.8	107.2	74.5	177.5	189.6	23.3	\$197
Percent rented in 3 mo.....	68	83	75	70	65	56	73	65	57	(X)
1975: Number.....	217	14.3	33.7	46.2	61.9	60.3	98.3	105.8	12.4	\$211
Percent rented in 3 mo.....	70	80	77	74	73	58	73	68	63	(X)
1976: Number.....	154	7.4	14.2	34.6	54.8	43.4	74.1	73.1	7.2	\$219
Percent rented in 3 mo.....	80	84	82	82	79	78	86	76	60	(X)

X Not applicable.

Source: U.S. Bureau of the Census, *Current Housing Reports*, series H-130, and unpublished data.

## NO. 1351. EXISTING ONE-FAMILY HOUSES SOLD AND SALES PRICE, BY REGION: 1968 TO 1976

[Based on data (adjusted and aggregated to regional and national totals) reported by participating real estate multiple listing services. For definition of median, see p. xii. For composition of regions, see fig. I, inside front cover]

REGION	1968	1969	1970	1971	1972	1973	1974	1975	1976
<b>HOUSES SOLD (1,000)</b>									
U.S. ....	1,569	1,594	1,612	2,018	2,252	2,334	2,272	2,452	3,002
Northeast.....	243	240	251	311	361	367	354	377	458
North Central.....	490	508	501	583	630	674	645	685	843
South.....	529	538	568	735	788	847	839	899	1,110
West.....	308	308	292	389	473	446	484	491	591
<b>MEDIAN SALES PRICE (1,000 dol.)</b>									
U.S. ....	20.1	21.8	23.0	24.8	26.7	28.9	32.0	35.3	38.1
Northeast.....	21.4	23.7	25.2	27.1	29.8	32.8	35.8	39.3	41.8
North Central.....	18.2	19.0	20.1	22.1	23.9	25.3	27.7	30.1	32.9
South.....	19.0	20.3	22.2	24.3	26.4	29.0	32.3	34.8	36.5
West.....	22.9	23.9	24.3	26.5	28.4	31.0	34.8	39.6	46.1

Source: National Association of Realtors, Washington, D.C. *Existing Home Sales*, monthly. (Copyright.)

## Construction and Housing

## NO. 1352. NEW PRIVATE ONE-FAMILY HOUSES SOLD, BY REGION AND TYPE OF FINANCING, AND FOR SALE: 1971 TO 1977

[Based on a national probability sample of monthly interviews with builders or owners of 1-family houses for which building permits have been issued or, for nonpermit areas, on which construction has started. For details, see source; for definition of median, see p. xii; for composition of regions, see fig. I, inside front cover]

ITEM	Total (1,000)	NUMBER OF HOUSES (1,000), BY SALES PRICE						Median sales price (dol.)	Median months from start to sale
		Under \$20,000	\$20,000- \$29,999	\$30,000- \$39,999	\$40,000- \$49,999	\$50,000- \$59,999	\$60,000 and over		
<b>Houses sold, total:<sup>1</sup></b>									
1971-----	656	179	257	131	53	37		25,200	2.7
1972-----	718	139	287	170	70	52		27,600	3.1
1973-----	620	53	204	192	96	76		32,500	4.5
1974-----	501	23	118	176	96	87		35,900	5.2
1975-----	544	14	96	175	127	65	68	39,300	4.4
1976-----	639	79	168	167	99	127		44,200	3.6
1977, Jan.-Mar., prel.	198	16	49	48	33	52		46,600	4.0
<b>Northeast:</b>									
1971-----	82	9	35	13	12	13		30,600	(NA)
1972-----	96	8	36	23	14	15		31,400	(NA)
1973-----	92	(S)	25	30	19	18		37,100	(NA)
1974-----	69	(S)	12	22	16	19		40,100	(NA)
1975-----	70	(S)	8	19	18	12	12	44,000	(NA)
1976-----	71	6	16	18	16	15		47,300	(NA)
<b>North Central:</b>									
1971-----	127	20	56	31	14	6		27,200	(NA)
1972-----	130	13	56	38	16	7		29,300	(NA)
1973-----	116	5	42	38	17	14		32,900	(NA)
1974-----	97	(S)	23	38	18	16		36,100	(NA)
1975-----	104	(S)	17	36	25	12	14	39,800	(NA)
1976-----	126	13	34	33	20	27		44,800	(NA)
<b>South:</b>									
1971-----	270	105	88	50	16	11		22,500	(NA)
1972-----	305	84	116	63	25	17		25,800	(NA)
1973-----	251	41	77	72	36	26		30,900	(NA)
1974-----	196	19	50	62	36	29		34,500	(NA)
1975-----	219	11	49	71	47	20	22	37,300	(NA)
1976-----	242	44	74	63	27	34		40,500	(NA)
<b>West:</b>									
1971-----	176	44	78	35	11	8		25,500	(NA)
1972-----	187	34	79	46	15	13		27,500	(NA)
1973-----	160	7	60	52	24	18		32,400	(NA)
1974-----	139	3	34	53	26	23		35,800	(NA)
1975-----	151	(S)	22	49	37	20	21	40,600	(NA)
1976-----	200	16	44	54	35	52		47,200	(NA)
<b>FHA-insured:</b>									
1971-----	219	115	89	14	(S)			19,800	2.0
1972-----	141	65	66	10	(S)			20,500	2.7
1973-----	62	19	32	9	3			22,100	4.4
1974-----	44	(NA)	23	15	4	(S)	(NA)	29,800	3.9
1975-----	54	(S)	17	24	9	(S)	(S)	32,300	3.9
1976-----	56	17	24	13	(S)	(S)	(S)	34,500	2.5
<b>VA guaranteed:</b>									
1971-----	95	18	56	19	3			25,300	2.7
1972-----	101	14	63	20	4			25,100	3.4
1973-----	71	7	39	19	6			27,300	4.3
1974-----	68	(NA)	30	28	8	(S)	(NA)	31,300	4.7
1975-----	68	(S)	16	34	13	3	(S)	35,000	4.0
1976-----	76	14	32	21	7	(S)	(S)	37,700	3.3
<b>Conventional:<sup>2</sup></b>									
1971-----	314	37	101	94	82			31,900	3.2
1972-----	447	54	147	135	110			31,600	2.9
1973-----	456	24	121	156	155			35,200	4.3
1974-----	364	(NA)	83	125	79	77	(NA)	38,000	5.2
1975-----	360	29	108	101	58	63		43,900	4.9
1976-----	454	22	101	127	87	116		48,000	3.7
<b>Houses for sale:<sup>3</sup></b>									
1971, Dec. 31-----	294	50	76	40	17	15		25,900	3.4
1972, Dec. 31-----	416	51	107	69	31	25		28,300	4.4
1973, Dec. 31-----	456	24	87	85	44	37		32,900	6.1
1974, Dec. 31-----	407	15	55	78	44	48		36,200	8.2
1975, Dec. 31-----	383	12	42	68	52	24	31	38,900	6.9
1976, Dec. 31-----	436	42	73	59	33	47	41,600	6.1	
1977, Mar., prel.	433	41	66	58	35	57		42,900	6.5

NA. Not available. S Estimate did not meet publication standards.

<sup>1</sup> Includes houses with cash financing reported.

<sup>2</sup> Prior to 1975, includes Farmers Home Administration financing.

<sup>3</sup> Price data refer to intended sales price. Houses for sale by sales price categories adds only to the number of houses reporting an intended sales price.

Source: U.S. Bureau of the Census, *Construction Reports*, series C-25, *Characteristics of New Housing and New One-Family Houses Sold and for Sale*.

## NO. 1353. MORTGAGE STATUS OF NONFARM DWELLING UNITS: 1920 TO 1975

[In thousands, except percent. Prior to 1960, excludes Alaska and Hawaii. For 1920, mortgage data are for owner-occupied units in all types of structures; for 1940 and 1950, for owner-occupied dwelling units in 1- to 4-dwelling unit structures without business; for 1960, for properties with 1- to 4-dwelling units, and for 1971 and 1975, for properties with 1 housing unit. See also *Historical Statistics, Colonial Times to 1970*, series N 302-307.]

YEAR	Owner-occupied units	Report-ing mort-gage status	MORTGAGED		Not mort-gaged	YEAR	Owner-occupied units	Report-ing mort-gage status	MORTGAGED		Not mort-gaged
			Num-ber	Per-cent					Num-ber	Per-cent	
1920-----	7,041	6,868	2,736	39.8	4,132	1960-----	27,862	27,862	15,816	56.8	12,046
1940-----	11,413	10,611	4,805	45.3	5,806	1971-----	33,206	33,206	20,110	60.6	13,096
1950-----	19,802	17,796	7,825	44.0	9,971	1975-----	37,203	37,203	23,438	63.0	13,764

Source: U.S. Bureau of the Census, *Census of Housing: 1950*, vol. I; 1960 and 1970, vol. V, and *Current Housing Reports*, series H-150-75, Annual Housing Survey: 1975, part D.

## NO. 1354. VOLUME OF LONG-TERM MORTGAGE LOANS ORIGINATED, BY TYPE OF PROPERTY, 1970 TO 1975, AND BY LENDER, 1975

[In billions of dollars. Covers credit extended in primary mortgage markets for financing real estate acquisitions]

TYPE OF PROPERTY	1970	1971	1972	1973	1974	Total <sup>1</sup>	1975					
							Lender					
							Sav-ings and loan assn.	Com-mercial banks	Mort-gage com-pa-nies	Life insur-ance com-pa-nies	Fed-eral credit agen-cies	Mut-al sav-ings banks
Mortgage loans, total-----	59.8	93.7	121.6	127.7	111.4	120.7	49.8	27.1	15.9	8.2	9.7	7.1
1-4 unit family home-----	35.6	57.8	75.9	79.1	67.5	77.9	41.2	14.5	14.0	.3	2.9	4.3
New units-----	12.6	20.5	25.8	28.0	24.1	24.7	12.9	3.8	5.0	.1	1.6	.8
Existing units-----	23.0	37.3	50.0	51.2	43.4	53.3	28.3	10.7	9.0	.2	1.2	3.5
Multifamily residential-----	8.8	12.5	15.4	14.0	12.3	10.7	3.6	.8	.8	1.1	1.7	1.5
New units-----	7.0	8.2	9.2	8.7	8.4	5.8	1.2	.2	.7	.9	1.6	.5
Existing units-----	1.8	4.2	6.2	5.3	3.9	4.9	2.3	.6	.1	.2	.1	1.0
Non-residential-----	12.5	19.4	24.5	27.4	24.0	24.2	4.9	10.0	1.2	5.8	.4	1.3
Farm properties-----	3.0	4.1	5.8	7.1	7.7	7.9	1.0	1.9	(z)	1.0	4.8	(z)

Z Less than \$50 million. <sup>1</sup> Includes lenders not shown separately.

Source: U.S. Dept. of Housing and Urban Development, *The Supply of Mortgage Credit, 1970-1974*, and *Monthly Survey of Mortgage Lending*.

## NO. 1355. CHARACTERISTICS OF CONVENTIONAL FIRST MORTGAGE LOANS FOR PURCHASE OF SINGLE-FAMILY HOMES: APRIL 1972 TO APRIL 1977

[Percent, except as indicated. Monthly averages. Refers to loans originated directly (rather than through correspondents) by savings and loan associations, mortgage companies, commercial banks, and mutual savings banks]

LOAN CHARACTERISTIC	NEW HOMES						EXISTING HOMES					
	1972	1973	1974	1975	1976	1977	1972	1973	1974	1975	1976	1977
Contract interest rate-----	7.38	7.53	8.47	8.71	8.67	8.73	7.30	7.55	8.43	8.92	8.85	8.74
Initial fees and charges <sup>1</sup> -----	.83	1.11	1.21	1.53	1.52	1.30	.78	.98	.99	1.16	1.21	1.23
Term to maturity-----yr.	27.2	26.6	26.1	26.5	27.3	27.3	25.2	23.9	22.9	23.9	24.5	25.8
Loans to price ratio-----	76.0	78.2	77.3	76.4	75.3	75.5	75.3	77.3	73.2	73.5	73.2	76.1
Purchase price-----\$1,000	38.3	36.9	38.5	44.5	48.5	53.4	33.6	30.1	32.7	37.5	40.1	45.7

<sup>1</sup> Includes any general or specific charges paid by the borrower, or seller, in order to obtain a loan, except those for mortgage, credit, life, or property insurance; for property transfer; and for title search and insurance.

Source: U.S. Federal Home Loan Bank Board, monthly news releases.

## Construction and Housing

## NO. 1356. RESIDENTIAL LOANS UNDERWRITTEN BY FHA: 1960 TO 1976

[In millions of dollars. FHA-insured loans represent gross amount of insurance written. Figures do not take account of principal repayments on previously insured or guaranteed loans. See also *Historical Statistics, Colonial Times to 1970*, series N 291-297]

LOAN	1960	1965	1970	1971	1972	1973	1974	1975	1976
FHA-insured loans.....	6,293	8,689	11,982	14,689	12,319	7,592	5,903	7,941	9,746
Home mortgages:									
New properties.....	2,197	1,705	2,667	3,900	3,459	1,675	752	1,149	1,087
Existing properties.....	5,760	5,447	6,475	4,608	2,798	3,182	5,017	5,275	
Project type mortgages.....	711	591	3,251	3,641	3,448	2,286	1,213	976	2,313
Property improvement loans <sup>1</sup> .....	982	634	<sup>2</sup> 617	<sup>2</sup> 674	<sup>2</sup> 805	<sup>2</sup> 832	<sup>2</sup> 756	<sup>2</sup> 799	<sup>2</sup> 1,071

<sup>1</sup> Not ordinarily secured by mortgages. <sup>2</sup> Includes mobile home loans.

## NO. 1357. ONE-FAMILY HOMES, FHA-INSURED MORTGAGES: 1965 TO 1976

[Data are for sec. 203(b) of the National Housing Act only. For definition of median, see p. xii]

CHARACTERISTIC	NEW HOMES					EXISTING HOMES				
	1965	1970	1974	1975	1976	1965	1970	1974	1975	1976
Average monthly occupant transactions:										
Real estate taxes.....dol.	20	33	40	49	54	22	29	35	40	40
Maintenance and repair.....dol.	9	12	19	22	24	9	11	16	20	21
Heating and utilities.....dol.	22	27	36	42	46	22	27	36	43	48
Average purchase transactions:										
Total acquisition cost <sup>1</sup> .....\$1,000	17.2	23.6	27.4	33.0	35.3	15.4	18.4	22.2	26.9	27.4
Closing costs.....\$1,000	376	500	584	-672	706	330	428	538	606	614
Market price of site <sup>2</sup> .....\$1,000	3.4	5.0	5.5	6.4	7.0	3.2	3.9	4.5	5.5	5.6
Median value and cost:										
Amount of mortgage.....\$1,000	15.6	20.9	24.1	29.7	32.2	14.2	16.6	20.2	24.6	25.4
Estimated value.....\$1,000	16.6	23.0	26.8	32.5	35.2	15.1	17.8	22.0	26.2	27.5
Loan/value ratio.....percent	94.3	92.5	91.5	92.8	92.9	94.4	94.3	93.7	94.9	95.1
Annual effective income of occupant.....\$1,000	7.8	12.2	13.9	17.1	18.2	7.6	10.8	13.2	15.5	15.9
Monthly mortgage payment.....\$1,000	114	205	236	284	318	111	164	202	245	255
Term of mortgage.....years	31.7	29.0	30.0	30.0	30.0	28.6	28.8	29.0	29.3	29.4

<sup>1</sup> Sales price plus closing costs. <sup>2</sup> Includes street improvements or utilities, rough grading, terracing and retaining walls, if any, for site. <sup>3</sup> 1969 data.

Source of tables 1356 and 1357: U.S. Dept. of Housing and Urban Development, *HUD Statistical Yearbook*.

## NO. 1358. HOME LOANS GUARANTEED AND INSURED BY VA: 1972 TO 1976

[Covers veterans regardless of place of residence. Based on complete count of primary loans closed for conventionally built homes]

LOAN CHARACTERISTICS	NEW HOMES					EXISTING HOMES				
	1972	1973	1974	1975	1976	1972	1973	1974	1975	1976
Average loan.....\$1,000	25.4	26.6	29.4	32.9	35.7	22.2	22.9	25.7	28.6	30.6
PERCENT OF HOME LOANS										
<b>Loan amount:</b>										
Less than \$15,000.....	1.0	.7	.5	.3	.3	15.7	13.7	9.7	6.7	4.9
\$15,000-\$19,999.....	19.7	12.9	5.3	2.0	1.4	25.9	24.4	18.7	14.5	11.8
\$20,000-\$24,999.....	33.2	31.1	21.1	9.0	5.8	26.9	27.3	23.7	19.3	16.8
\$25,000-\$29,999.....	25.5	29.8	31.2	23.8	17.6	17.7	19.1	21.0	20.5	20.2
\$30,000-\$34,999.....	12.2	15.1	24.2	31.2	24.6	7.8	8.9	12.8	15.7	16.2
\$35,000-\$39,999.....	5.3	6.4	10.6	19.5	25.4	3.2	3.6	6.8	10.2	12.3
\$40,000 and over.....	3.1	4.0	7.1	13.3	24.9	2.8	3.0	7.3	13.1	17.8
<b>Mortgage maturity:</b>										
Less than 25 years.....	.3	.3	.4	.3	.3	3.6	3.5	3.0	2.9	2.7
25 years.....	.6	.7	.5	.5	.6	7.9	7.6	6.7	6.1	5.8
26-29 years.....	4.7	5.1	5.6	4.9	2.9	3.5	3.3	3.2	1.2	.5
30 years.....	94.4	93.9	93.5	94.3	96.2	85.0	85.6	87.1	89.8	91.0
<b>Downpayment status:</b>										
With downpayment.....	36.9	37.3	39.0	42.9	27.6	25.8	23.4	26.3	26.5	24.3
With no downpayment.....	63.1	62.7	61.0	57.1	72.4	74.2	76.6	73.7	73.5	75.7

Source: U.S. Veterans Administration, unpublished data.

## Section 29

### Manufactures

This section presents summary data for manufacturing as a whole and more detailed information for major industry groups and selected specific products. The types of measures shown at the different levels include data for establishments; employment and wages; raw materials, fuels, and electricity consumed; plant and equipment expenditures; value and quantity of production and shipments; value added by manufacture; inventories; and various indicators of financial status.

The principal sources of these data are the Bureau of the Census reports of the quinquennial census of manufactures; the *Annual Survey of Manufactures*; and the *Current Industrial Reports* series, which presents monthly, quarterly, or annual data on production, shipments, and stocks for particular commodities. Indexes of industrial production are presented monthly in the Federal Reserve Board's *Federal Reserve Bulletin*. Reports on current activities of industries, or current movements of individual commodities, are also compiled by such government agencies as Bureau of Labor Statistics, Economic Research Service and Statistical Reporting Service of the Department of Agriculture, Bureau of Domestic Commerce, and International Trade Commission; and by private research or trade associations such as The Conference Board, Inc., New York, and the American Iron and Steel Institute and the National Canners Association, both in Washington, D.C.

Data on financial aspects of manufacturing industries are collected from time to time by the Securities and Exchange Commission (SEC), the Bureau of Economic Analysis (BEA), and the Federal Trade Commission (FTC). Industry aggregates in the form of balance sheets, profit and loss statements, analyses of sales and expenses, lists of subsidiaries, and types and amounts of security issues are published for leading manufacturing corporations registered with the SEC. The BEA issues data on capital in manufacturing industries and capacity utilization rates in manufacturing. The FTC has made several comprehensive studies of individual industries.

**Censuses and annual surveys.**—The first census of manufactures covered the year 1809. A census was taken at 10-year intervals thereafter to 1899 (with the exception of 1829); at 5-year intervals from 1904 through 1919; and at 2-year intervals from 1921 through 1939. It was suspended during World War II until the 1947 census. Thereafter, censuses were taken for 1954, 1958, 1963, 1967, and 1972. Currently, censuses are scheduled at 5-year intervals, covering years ending in "2" and "7". Census data are obtained for every manufacturing plant with one employee or more (see "Establishments and classification" below).

The Annual Survey of Manufactures, conducted for the first time in 1949, carries forward, for the years between censuses, the more general measures of manufacturing activity covered in detail by the censuses. The most recent annual survey is based on a sample of about 70,000 of an approximate total of 320,000 manufacturing establishments. It comprises all large plants, which account for approximately two-thirds of total U.S. manufacturing employment, and a representative selection of the more numerous small plants. Government-owned and-operated establishments are excluded.

The annual survey data are estimates derived from a scientifically selected sample of manufacturing companies. The estimates are apt to differ somewhat from the results of a census covering all manufacturing companies. Measures of the potential differences between the estimates obtained and the results theoretically obtainable from a comparable complete coverage survey—"Relative standard errors"—are presented in the Annual Survey of Manufactures reports. For a discussion of statistical reliability applicable to annual survey data shown here, see Appendix III in this *Abstract*.

The basic statistical measures of manufacturing activity, such as employment, payrolls, value added, etc., are defined in essentially the same way for the annual surveys as for the census of manufactures. However, the bases for computing average employment vary for different years. For example, beginning with 1949, average employment was calculated from the figures reported for the pay periods ending nearest the fifteenth of March, May, August, and November, whereas for 1947 such averages were based on 12 monthly employment figures. In 1967 and 1972, the average employment calculation was revised to the pay periods which include the 12th of March, May, August, and November in order to provide data more comparable with other statistical series.

**Establishments and classification.**—The censuses of manufactures for 1947 through 1972 covered operating manufacturing establishments as defined in the *Standard Industrial Classification Manual*, issued by the Office of Management and Budget. The 1972 edition of the *Manual* was used for the 1972 census. For the 1947–1963 censuses, reports were required from all establishments employing one or more persons at any time during the census year. In the 1967 and 1972 censuses, reports were required only from establishments with 10 or more employees and establishments operated by multi-establishment companies. Data for single unit companies with less than 10 employees were estimated on the basis of Government administrative records and industry averages. Each of the establishments tabulated was classified in one of the more than 450 manufacturing industries as defined by the Standard Industrial Classification system in 1972, as compared to 400 industries in the 1967 census. This system defines an industry as a number of establishments producing a single product or a closely related group of products. In the main, an establishment is classified in a particular industry if its production of this product or product group exceeds in value its production of any other product group.

While some establishments produce only the products of the industry in which they are classified, it rarely happens that all the establishments in an industry specialize to that extent. The statistics on employment, payrolls, value added, inventories, and expenditures, therefore, reflect not only the primary activities of the establishments in that industry but also activities of a secondary nature. For this reason the industry statistics usually cannot be directly related to statistics on the total shipments of products primary to the industry.

The censuses for 1947 through 1972 were conducted on an establishment basis. The term "establishment" signifies a single physical plant site or factory. It is not necessarily identical with the business unit or company, which may consist of one or more establishments. A company operating establishments at more than one location is required to submit a separate report for each location. An establishment engaged in distinctly different lines of activity and maintaining separate payroll and inventory records is also required to submit separate reports.

**Historical statistics.**—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix I.

## NO. 1359. NATIONAL INCOME ORIGINATING IN MANUFACTURING: 1947 TO 1976

[In billions of dollars, except percent. Prior to 1963, excludes Alaska and Hawaii. For definition of national income, see text, p. 426. Refers to national income without capital consumption adjustment. Data represent net value added at factor costs. See *Historical Statistics, Colonial Times to 1970*, series F 230, for single-year figures prior to minor revisions issued in 1976]

ITEM	1947	1954	1958	1963	1965	1967	1970	1972	1973	1974	1975	1976
Total manufacturing	60	95	108	143	170	193	215	252	284	298	312	365
Percent of national income	30	31	29	30	30	29	27	26	26	26	25	26
Durable goods	32	55	62	86	105	119	127	154	176	179	184	218
Percent of total	53	58	58	60	62	61	59	61	62	60	59	60
Nondurable goods	28	40	46	57	65	75	88	98	107	119	127	147

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-74*, and *Survey of Current Business*, July 1976 and July 1977.

## NO. 1360. MANUFACTURES—SUMMARY: 1947 TO 1975

[Prior to 1958, excludes Alaska and Hawaii. Census data, except as noted. Covers all establishments employing 1 or more persons at any time during year. See also *Historical Statistics, Colonial Times to 1970*, series P 1-12]

ITEM	1947	1954	1958	1963	1967	1970 <sup>1</sup>	1972	1974	1975
Number of establishments <sup>2</sup> .....1,000.....	1,241	1,287	303	312	311	(NA)	321	(NA)	(NA)
With 20 or more employees.....1,000.....	(NA)	390	95	102	107	(NA)	114	(NA)	(NA)
All employees, <sup>4</sup> annual average <sup>5</sup> .....mil.	14.3	16.1	16.0	17.0	19.3	19.2	19.0	19.8	18.3
Payroll, all employees.....bil. dol.	340	66	78	100	132	153	174	208	210
Payroll per employee.....\$1,000.....	2.8	4.1	4.9	5.9	6.8	8.0	9.2	10.5	11.5
Production workers, annual average.....mil.	11.9	12.4	11.7	12.2	14.0	13.5	13.5	14.0	12.6
Man-hours, production workers.....bil.	24.3	24.3	22.7	24.5	27.8	26.7	26.7	27.2	24.1
Man-hours per worker.....1,000.....	2.0	2.0	1.9	2.0	2.0	2.0	2.0	2.0	1.9
Wages, production workers.....bil. dol.	30	45	50	62	81	92	106	125	122
Wages per worker.....\$1,000.....	2.5	3.6	4.3	5.1	5.8	6.8	7.8	8.9	9.7
Wages per worker man-hour.....\$1.....	1.24	1.83	2.19	2.53	2.92	3.44	3.95	4.59	5.04
Value added by manufacture <sup>6</sup> .....bil. dol.	74	117	142	192	262	300	354	452	442
Per production worker.....\$1,000.....	6.2	9.5	12.1	15.7	18.8	22.2	26.2	32.4	35.1
Per production worker man-hour.....\$1.....	3.04	4.81	6.25	7.83	9.42	11.23	13.25	16.61	18.31
Per dollar of workers' wages.....\$1.....	2.47	2.60	2.84	2.90	3.23	3.26	3.34	3.62	3.63
Cost of materials.....bil. dol.	(NA)	(NA)	(NA)	230	299	337	407	582	598
Value of shipments <sup>7</sup> .....bil. dol.	(NA)	(NA)	(NA)	421	557	684	757	1,018	1,041
Per production worker.....\$1,000.....	(NA)	(NA)	(NA)	34.4	39.9	46.9	55.9	73.1	82.6
End-of-year inventories.....bil. dol.	26	40	49	60	84	101	108	158	158
Capital expenditures, new <sup>8</sup> .....bil. dol.	6.0	8.2	9.5	11.4	21.6	22.2	24.1	35.7	37.4
Indexes: (1967=100):									
Employment.....	74	83	83	88	100	99	98	103	95
Value added.....	29	45	54	73	100	115	135	173	169
Shipments.....	(NA)	(NA)	(NA)	76	100	114	130	183	187
Ratios:									
Value added to shipments.....	(NA)	(NA)	(NA)	45.6	47.0	47.3	46.7	44.5	42.4
Inventories to shipments.....	(NA)	(NA)	(NA)	14.2	15.0	15.9	14.2	15.5	15.2
Payroll to value added.....	54.0	56.4	54.9	52.0	50.3	51.0	49.1	46.0	47.5
Gross book value of depreciable assets.....bil. dol.	(NA)	(NA)	(NA)	158	218	267	301	340	367
Machinery and equipment.....bil. dol.	(NA)	(NA)	(NA)	(NA)	157	193	218	246	270
Assets per employee.....\$1,000.....	(NA)	(NA)	(NA)	9.3	11.3	13.9	16.4	21.3	18.2

NA. Not available. <sup>1</sup> Estimated data based on *Annual Survey of Manufactures*; see text, p. 791.

<sup>2</sup> Includes administrative and auxiliary units, except as noted.

<sup>3</sup> Excludes administrative offices and auxiliary units.

<sup>4</sup> Includes data for employees of manufacturing establishments engaged in distribution and construction work.

<sup>5</sup> Data for most industries in 1954 and for all industries since 1954 are based on pay periods ending nearest 15th of March, May, August, and November. For 1947, and industries of a seasonal type in 1954, data represent average of 12 monthly figures.

<sup>6</sup> Unadjusted for 1947; thereafter, adjusted. Unadjusted value added is obtained by subtracting cost of materials, supplies, containers, fuel, purchased electric energy, and contract work from value of shipments for products manufactured plus receipts for services rendered. Adjusted value added also takes into account: (a) value added by merchandising operations (that is, difference between the sales value and cost of merchandise sold without further manufacture, processing, or assembly), plus (b) net change in finished goods and work-in-process inventories between beginning and end of year. <sup>7</sup> Includes extensive and unmeasurable duplication from shipments between establishments in the same industry classification.

<sup>8</sup> Beginning 1954, includes plants under construction and not yet in operation.

Source: U.S. Bureau of the Census, *Census of Manufactures, 1947, 1954, 1958, 1963, 1967*, and *1972*, final reports; and *Annual Survey of Manufactures*.

## No. 1361. INDUSTRIAL PRODUCTION—INDEXES, BY INDUSTRY: 1955 TO 1977

[1967=100. Quarterly data adjusted for seasonal variation. Based on 1967 *Standard Industrial Classification Manual* (see text, p. 792). See also *Historical Statistics, Colonial Times to 1970*, series P 13 and P 18-39]

MAJOR INDUSTRY GROUP	1955	1960	1965	1970	1971	1972	1973	1974	1975	1976		1977, Jan.- June
										Total	Jan.- June	
<b>Industrial production</b>												
Manufacturing	59	66	90	108	110	120	130	129	118	130	128	135
Durable manufactures	58	65	90	106	108	119	130	129	116	130	128	135
Primary metals	59	63	89	102	102	114	127	126	109	122	120	127
Fabricated metal products	83	72	102	107	100	112	127	123	98	109	107	109
Electrical machinery	68	71	91	102	104	112	125	124	110	123	121	128
Nonelectrical machinery	40	52	82	108	108	122	143	144	117	132	129	139
Transportation equipment	51	57	85	104	100	116	134	140	125	135	133	142
Instruments	68	65	95	90	98	108	118	109	97	111	110	119
Clay, glass, and stone products	44	58	83	112	110	120	138	144	132	148	145	157
Lumber and products	70	79	98	106	111	121	134	133	118	137	134	143
Furniture and fixtures	76	75	96	106	114	121	126	116	108	125	122	132
Miscellaneous manufactures	67	72	95	108	116	131	144	138	118	133	132	137
Nondurable manufactures	57	69	91	112	117	127	134	135	126	141	140	147
Textile mill products	65	69	93	112	117	138	143	133	122	136	138	134
Apparel products	73	82	97	101	105	109	117	114	108	122	123	123
Leather and products	91	90	98	90	87	88	83	78	77	81	84	75
Paper and products	57	68	92	115	120	129	137	135	116	133	134	136
Printing and publishing	60	71	88	107	107	113	118	118	113	121	121	124
Chemicals and products	40	56	88	120	126	144	155	159	147	169	167	179
Petroleum products	66	77	92	113	117	122	129	125	124	133	132	142
Rubber and plastics products	41	52	86	132	143	172	184	195	167	200	194	226
Food	66	79	92	109	113	117	121	124	123	132	130	137
Tobacco products	74	91	100	102	101	106	112	110	112	118	119	112
Mining	78	80	93	112	110	113	115	115	113	114	114	119
Utilities	44	63	89	125	131	139	145	144	146	151	150	158
Energy	59	70	89	117	120	125	128	126	126	129	128	133

Source: Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, monthly.

## No. 1362. CAPACITY UTILIZATION RATES IN MANUFACTURING: 1965 TO 1976

[In percent. Annual figures are averages of quarterly data, except yearend 1965 and midyear and yearend 1967. Capacity represents maximum practical amount of output that can be produced with current stock of plant and equipment]

INDUSTRY	1965	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976
All manufacturers	86	84	85	85	81	80	83	86	83	77	81
Firms with assets of—											
\$100 million and over	89	86	88	87	83	83	86	88	85	78	84
\$10 million-\$9.9 million	85	83	83	83	79	78	81	83	81	75	78
Under \$10 million	80	78	78	77	73	73	77	79	77	72	76
Durable goods <sup>1</sup>	88	83	84	84	78	78	82	85	82	76	81
Electrical and electronic equipment	83	78	80	80	76	76	81	82	83	73	80
Machinery, except electrical	95	91	90	92	86	81	84	87	88	83	86
Transportation equipment <sup>1</sup>	89	84	87	84	75	81	85	87	78	76	82
Motor vehicles	96	87	93	90	81	92	97	100	83	83	93
Aircraft	79	82	82	77	68	65	69	69	71	65	65
Primary metals	(NA)	84	84	87	82	75	86	88	88	73	78
Nondurable goods <sup>1</sup>	85	85	86	86	83	83	85	86	84	79	82
Food, including beverages	75	80	82	82	82	81	81	81	80	77	77
Textiles	93	87	87	84	82	84	89	90	81	78	85
Paper	95	90	91	93	88	88	90	94	91	79	87
Chemicals	86	81	83	84	82	81	84	88	85	74	80
Petroleum	95	98	98	98	95	94	94	97	89	89	93
Rubber	93	96	92	89	82	86	89	89	85	74	80

NA Not available. <sup>1</sup> Includes items not shown separately.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, monthly. (These data appear quarterly.)

# Manufacturing Capacity—Manufacturing Establishments 795

## NO. 1363. INDEX OF MANUFACTURING CAPACITY AND RELATION OF OUTPUT TO CAPACITY: 1950 TO 1977

[1967 output = 100. Annual figures are averages of quarterly data. Capacity represents estimated quantity of output, relative to output in 1967, which the current stock of plant and equipment in manufacturing industries was capable of producing. Primary processing industries comprise textiles, lumber, paper and pulp, petroleum, rubber, stone, clay, glass, primary metals, fabricated metals, and a portion of chemicals. Advanced processing industries comprise chemical products, food, beverages, tobacco, apparel, furniture, printing and publishing, leather, machinery, transportation equipment, instruments, ordnance, and miscellaneous industry groups.]

YEAR	Index of capacity	RELATION OF OUTPUT TO CAPACITY (percent)			YEAR	Index of capacity	RELATION OF OUTPUT TO CAPACITY (percent)		
		All manufacturing	Primary processing	Advanced processing			All manufacturing	Primary processing	Advanced processing
1950	54	83	89	80	1972	143	83	88	81
1955	67	87	92	84	1973	148	88	92	85
1960	82	80	80	81	1974	154	84	88	82
1965	100	90	91	89	1975	158	74	73	74
1967	115	87	86	88	1976, prel.	162	80	82	79
1968	122	87	88	87	1977, 1st qtr., prel.	164	79	80	79
1969	129	86	89	85	1977, 2d qtr., prel.	166	83	85	82
1970	134	79	83	77					
1971	139	78	82	76					

Source: Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, November 1976, and *Capacity Utilization in Manufacturing and Materials*, G.3., monthly. (Based on data from Federal Reserve Board, U.S. Dept. of Commerce, U.S. Bureau of Labor Statistics, and McGraw-Hill Information Systems Company, New York, N.Y.)

## NO. 1364. OPERATING MANUFACTURING ESTABLISHMENTS—SELECTED DATA, BY LEGAL FORM OF ORGANIZATION: 1947 TO 1972

[Prior to 1958, excludes Alaska and Hawaii. Covers all establishments employing 1 or more persons at any time during year, except as noted. See also *Historical Statistics, Colonial Times to 1970*, series P 205-211]

FORM OF ORGANIZATION AND YEAR	Establishments <sup>1</sup> (1,000)	ALL EMPLOYEES		PRODUCTION WORKERS		Value added by manufacturer <sup>2</sup> (mil. dol.)	Capital expenditures, new (mil. dol.)
		Total <sup>2</sup> (1,000)	Payroll (mil. dol.)	Total <sup>2</sup> (1,000)	Wages (mil. dol.)		
<b>Corporate:</b>							
1947	118.1	12,856	36,580	10,649	27,637	68,294	(NA)
1954	148.5	14,273	59,051	11,206	41,480	109,669	7,752
1958	162.7	14,215	69,885	10,398	45,455	135,644	8,926
1963	176.2	15,245	89,356	11,426	59,064	184,100	10,791
1967 <sup>4</sup>	153.9	17,697	119,530	13,260	78,429	253,261	20,988
1972	233.2	18,645	171,143	13,118	103,234	347,036	23,620
<b>Noncorporate, total:<sup>5</sup></b>							
1947	122.7	1,438	3,115	1,269	2,607	5,996	(NA)
1954	138.4	1,372	3,912	1,186	3,111	7,363	449
1958	135.4	1,165	3,787	989	3,016	7,515	605
1963	130.4	990	3,932	806	3,030	8,002	580
1967 <sup>4</sup>	33.2	530	2,709	433	2,008	5,636	370
1972	87.5	482	3,043	408	2,287	6,908	453
<b>Individual proprietorship:</b>							
1947	69.5	586	1,184	522	1,001	2,162	(NA)
1954	88.2	593	1,527	507	1,237	2,735	176
1958	91.3	542	1,637	461	1,349	3,115	317
1963	99.2	536	2,033	440	1,595	3,916	315
1967 <sup>4</sup>	24.9	243	1,187	210	933	2,381	141
1972	42.5	213	1,303	183	963	2,885	186
<b>Partnership:</b>							
1947	50.8	757	1,687	673	1,432	3,847	(NA)
1954	47.9	703	2,108	602	1,684	4,054	216
1958	42.0	543	1,836	452	1,458	3,063	223
1963	27.7	334	1,034	277	1,062	2,728	141
1967 <sup>4</sup>	8.7	193	971	157	730	1,895	114
1972	17.7	167	1,067	139	792	2,413	150

NA Not available. <sup>1</sup> Beginning 1958, includes administrative offices and auxiliary units.

<sup>2</sup> For method of calculation, see text, p. 792. <sup>3</sup> For definition, see footnote 6, table 1360.

<sup>4</sup> Excludes establishments with fewer than 10 employees.

<sup>5</sup> Includes forms of organization not shown separately.

Source: U.S. Bureau of the Census, *Census of Manufactures, 1967*, vol. I, and special report, *Type of Organization, MC 72(SR)-3*.

## No. 1365. MANUFACTURES—SUMMARY, BY TYPE OF OPERATION: 1947 TO 1972

(A multiunit company operates establishments at more than one location. See headnote, table 1364)

ITEM	1947	1954	1958	1963	1967	1972
Multieuin unit companies:						
Establishments.....	35,202	31,769	41,871	45,862	51,707	70,198
Employees.....	8,007	9,480	10,064	11,015	13,310	14,264
Production workers.....	1,000	6,686	7,402	7,174	8,110	9,792
Payroll, all employees..... mil. dol.	22,788	40,623	51,735	68,202	93,756	138,758
Wages, production workers..... mil. dol.	17,787	28,987	33,469	44,721	60,875	81,941
Value added by manufacture..... mil. dol.	43,947	79,604	105,306	146,605	206,437	286,126
Capital expenditures, new..... mil. dol.	(NA)	6,485	7,525	8,934	18,596	20,040
Single unit companies:						
Establishments.....	205,605	255,045	256,311	260,755	1 253,974	1 250,512
Employees.....	6,287	6,165	5,317	5,220	1 5,188	1 4,765
Payroll, all employees..... mil. dol.	16,907	22,340	21,887	25,087	1 30,155	1 35,447
Value added by manufacture..... mil. dol.	30,343	37,428	37,853	45,497	1 55,546	1 67,868

NA Not available. <sup>1</sup> Includes data obtained from Federal administrative records.Source: U.S. Bureau of the Census, *Census of Manufactures, 1967*; vol. I, and special report, *Type of Organization, MC72(SR)-3*.No. 1366. MANUFACTURERS' SHIPMENTS, INVENTORIES, AND ORDERS: 1960 TO 1976  
[In billions of dollars, except ratios. As of Dec. 31 or calendar year, as applicable. See also *Historical Statistics, Colonial Times to 1970*, series P 74-92]

ITEM	1960	1965	1969	1970	1971	1972	1973	1974	1975	1976
Shipments.....	370.5	491.9	642.5	634.0	671.1	756.5	875.4	1,015.3	1,046.7	1,178.0
Durable goods.....	190.6	266.7	353.7	338.6	359.7	408.5	476.4	528.5	526.9	604.5
Nondurable goods.....	179.9	225.3	288.8	295.4	311.4	348.0	399.0	486.8	519.8	573.5
Inventories.....	53.6	68.0	97.7	101.2	102.2	107.9	124.4	158.2	155.8	167.3
Durable goods.....	32.0	42.0	64.2	66.2	65.7	69.7	80.8	101.3	99.9	105.5
Nondurable goods.....	21.5	26.0	33.5	35.0	36.5	38.2	43.6	56.9	56.0	61.8
Ratio of inventories to sales.....	1.78	1.59	1.81	1.91	1.76	1.58	1.63	1.88	1.69	1.60
Durable goods.....	2.12	1.79	2.17	2.35	2.10	1.89	2.00	2.34	2.14	1.91
Nondurable goods.....	1.44	1.34	1.37	1.37	1.35	1.21	1.21	1.38	1.22	1.24
New orders.....	362.8	505.2	648.2	625.1	671.2	770.9	914.6	1,043.9	1,027.9	1,182.0
Durabod goods.....	183.6	279.3	359.2	329.4	359.4	421.7	514.7	558.8	506.0	608.2
Nondurable goods.....	179.2	225.9	289.0	295.8	311.8	349.2	399.9	485.0	521.9	573.8
Unfilled orders.....	44.9	79.2	115.6	106.8	106.9	121.4	160.5	189.0	170.2	174.2
Durable goods.....	42.4	75.4	111.5	102.2	102.0	115.2	153.4	183.7	162.7	166.4
Nondurable goods.....	2.5	3.8	4.2	4.6	5.0	6.2	7.2	5.3	7.5	7.8

Source: U.S. Bureau of the Census, *Manufacturers' Shipments, Inventories, and Orders: 1958-1976* (Revised), and *Current Industrial Reports*, series M3-16.

## No. 1367. U.S. SHARE OF WORLD EXPORTS OF MANUFACTURES: 1960 TO 1976

[World exports=exports from 15 major trading countries: U.S., Austria, Belgium-Luxembourg, Canada, Denmark, France, Fed. Rep. of Germany, Italy, Japan, Netherlands, Norway, Sweden, Switzerland, and U.K. Percents are calculated from the values of exports of the six commodity groups from each of the 15 countries. Incorporated in the calculations are the changing relationships between each supplier's currency and the currencies of its trading partners. For this purpose, export-weighted exchange rate indices are calculated for each supplier, using official rates of exchange in 87 principal markets]

ITEM	1960	1965	1970	1971	1972	1973	1974	1975	1976, prel.
U.S. exports:									
Manufactures, total <sup>1</sup> ..... bil. dol.	12.7	17.6	29.7	30.8	34.3	45.6	64.6	72.8	78.5
Nonelectric machinery..... bil. dol.	3.3	5.1	8.4	8.6	9.6	12.2	16.8	21.1	22.1
Transport equipment..... bil. dol.	2.7	3.5	6.5	7.9	8.3	10.8	14.6	17.4	18.4
Chemicals..... bil. dol.	1.8	2.4	3.8	3.9	4.2	5.8	8.9	8.8	10.0
Electric machinery..... bil. dol.	1.1	1.7	3.0	3.1	3.7	5.1	7.2	7.8	9.5
Basic manufactures <sup>2</sup> ..... bil. dol.	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	4.5	5.1	7.4	11.5	11.3	11.5
Misc. articles <sup>1</sup> ..... bil. dol.	3.9	5.0	7.9	2.8	3.3	4.2	5.6	6.0	6.9
Percent of world exports:									
Manufactures, total <sup>1</sup> .....	25.3	22.8	21.3	20.1	19.1	19.5	20.2	21.2	20.3
Nonelectric machinery.....	32.7	30.9	28.1	25.6	25.1	25.2	26.3	27.8	26.6
Transport equipment.....	33.2	28.4	29.0	29.7	26.4	27.0	29.0	27.8	24.8
Chemicals.....	29.6	24.7	21.9	20.0	18.6	19.1	18.6	20.1	20.4
Electric machinery.....	28.2	24.0	22.7	21.1	20.9	21.6	23.0	22.3	23.0
Basic manufactures <sup>2</sup> .....	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	10.8	10.5	11.4	12.3	12.5	11.8
Misc. articles <sup>1</sup> .....	17.6	15.8	14.0	16.1	15.5	16.2	17.3	17.3	17.0

<sup>1</sup> Excludes mineral fuel products, processed food, fats, oils, firearms of war, and ammunition.<sup>2</sup> Includes semimanufactures of various materials, such as metals, fibers, wood, glass, leather, rubber, and certain finished products of metal. <sup>3</sup> Basic manufactures included with miscellaneous articles.<sup>4</sup> Includes mainly nondurable consumer goods and professional and scientific instruments.Source: U.S. Dept. of Commerce, Bureau of International Economic Policy and Research, *Commerce America*, biweekly.

# Manufacturing Finances

797

## NO. 1368. FINANCES OF MANUFACTURING CORPORATIONS: 1960 TO 1976 [In billions of dollars. Annual data are averages of four end-of-quarter figures]

ITEM	1960	1965	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976
Net sales.....	346	492	575	632	695	709	751	850	1,017	1,061	1,065	1,203
Net operating profit.....	26	46	48	56	58	50	55	86	86	84	77	97
Net profit:												
Before Federal taxes <sup>1</sup> .....	28	47	48	55	58	48	53	63	81	97	80	105
After Federal and State taxes.....	15	28	29	32	33	29	31	36	48	59	49	64
Cash dividends.....	8	12	13	14	15	15	15	16	18	19	20	23
Retained earnings.....	7	16	16	18	18	14	16	20	30	39	29	42

<sup>1</sup> Beginning 1974, data include State as well as Federal taxes.

Source: U.S. Federal Trade Commission, *Quarterly Financial Report for Manufacturing Corporations*, fourth quarter reports.

## NO. 1369. CAPITAL IN MANUFACTURING ESTABLISHMENTS: 1950 TO 1975

[In billions of dollars. Minus sign (-) denotes decrease. Prior to 1960, excludes Alaska and Hawaii. Data refer to privately owned manufacturing establishments and are based on the fixed capital formation components of the gross national product. For detailed discussion, see source, See *Historical Statistics, Colonial Times to 1970*, series P 107-122, for single-year figures prior to minor revisions issued in 1976.]

ITEM	1950	1955	1960	1965	1970	1971	1972	1973	1974	1975
<b>Purchases:</b>										
In current dollars.....	5.7	8.9	10.3	16.8	22.4	21.0	22.8	27.9	32.8	31.4
Equipment.....	4.0	6.0	7.4	12.5	16.5	15.7	17.7	21.7	25.0	23.4
Structures.....	1.8	2.9	2.9	4.3	5.9	5.4	5.1	6.2	7.7	8.0
In 1972 dollars.....	12.0	16.1	15.0	22.6	24.2	21.6	22.9	26.9	28.8	23.6
Equipment.....	7.8	9.8	9.8	15.8	17.5	16.0	17.8	21.1	22.3	17.9
Structures.....	4.1	6.3	5.1	6.8	6.7	5.6	5.1	5.7	6.5	5.7
Depreciation (straight-line): <sup>1</sup>										
In current dollars.....	4.6	6.9	9.5	11.3	18.2	19.6	20.7	22.4	26.0	30.5
Equipment.....	2.9	4.8	7.0	8.3	13.3	14.4	15.2	16.3	18.8	22.5
Structures.....	1.7	2.1	2.5	3.0	4.8	5.2	5.5	6.1	7.2	8.0
In 1972 dollars.....	9.3	11.7	13.5	15.2	19.6	20.1	20.7	21.5	22.3	23.0
Equipment.....	5.7	7.8	9.2	10.5	14.1	14.7	15.2	15.9	16.7	17.3
Structures.....	3.6	3.9	4.3	4.7	5.4	5.5	5.5	5.6	5.6	5.7
Net investment: <sup>2</sup>										
In current dollars.....	1.1	2.0	.8	5.5	4.2	1.4	2.1	5.5	6.8	.9
Equipment.....	1.1	1.2	.4	4.2	3.2	1.3	2.5	5.4	6.2	.9
Structures.....	.1	.8	.4	1.3	1.1	.2	-.4	.1	.5	—
In 1972 dollars.....	2.7	4.4	1.5	7.4	4.6	1.5	2.2	5.4	6.5	.6
Equipment.....	2.1	2.0	.6	5.3	3.4	1.3	2.6	5.2	5.6	.6
Structures.....	.5	2.4	.8	2.1	1.3	.1	-.4	.1	.9	—
Real net value of equip., structures, and inventories in 1972 dollars.....	154.4	188.6	207.1	237.4	303.6	303.3	307.5	318.9	331.3	326.4
Equipment and structures <sup>3</sup> .....	102.6	121.9	134.7	148.3	186.5	187.9	190.0	195.3	201.6	202.3
Equipment.....	48.0	61.5	68.5	78.2	105.0	106.3	108.8	113.9	119.4	120.0
Structures.....	54.5	60.4	66.2	70.1	81.5	81.6	81.2	81.4	82.2	82.3
Inventories (end of year).....	51.8	66.7	72.4	89.1	117.1	115.4	117.5	123.6	129.7	124.1

— Represents zero. <sup>1</sup> Estimates derived by using perpetual inventory method and assuming, in general, service lives of 85 percent of those shown in Internal Revenue Service's Bulletin F. <sup>2</sup> Represents the difference between purchases and depreciation. <sup>3</sup> Represents real net value of equipment and structures in preceding year plus net investment based on straight-line depreciation for year shown.

Source: U.S. Bureau of Economic Analysis, *Fixed Nonresidential Business and Residential Capital in the United States, 1925-1975*.

## NO. 1370. LARGE MANUFACTURING COMPANIES—ADEQUACY OF CAPITAL FACILITIES TO MEET CURRENT DEMAND: 1965 TO 1976

[Percent distribution. As of July. Number of companies weighted by company assets. Based on replies to The Conference Board's *Quarterly Survey of Capital Investment and Supply Conditions*, conducted among the 1,000 largest manufacturing companies as listed by total assets]

YEAR	Inadequate	Sufficient	More than adequate	YEAR	Inadequate	Sufficient	More than adequate
1965.....	30.9	67.5	1.6	1971.....	18.5	58.6	22.9
1966.....	47.4	50.9	1.7	1972.....	16.3	70.4	13.3
1967.....	33.3	62.2	4.5	1973.....	45.3	52.7	2.0
1968.....	26.1	71.8	2.1	1974.....	57.1	40.1	2.8
1969.....	37.3	58.7	4.0	1975.....	19.1	43.1	37.8
1970.....	28.4	59.5	12.1	1976.....	17.5	65.0	17.5

Source: The Conference Board, New York, N.Y., *Quarterly Survey of Capital Investment and Supply Conditions in Manufacturing*. (Copyright.)

## NO. 1371. LARGE MANUFACTURING COMPANIES—CAPITAL APPROPRIATIONS AND EXPENDITURES: 1970 TO 1975

(In millions of dollars, except percent. Based on reports submitted by companies responding to The Conference Board's *Quarterly Survey of Capital Appropriations*. This survey is conducted among the 1,000 largest manufacturing companies as listed by total assets. **Appropriations:** Authorizations by management to spend funds for new plant and equipment; **Expenditures:** Cost of new plant and equipment.)

YEAR AND ITEM	Total	INDUSTRY									Other manufacturing
		Food and beverages	Paper and allied products	Chemicals and allied products	Petroleum and coal products	Primary iron and steel	Electrical machinery and equipment	Machinery, except electrical	Motor vehicles and equipment		
1970: Appropriations-----	25,837	1,587	1,034	3,036	5,704	1,534	2,584	3,098	1,276	5,484	
Expenditures-----	26,321	1,598	1,046	3,143	5,559	1,746	2,408	3,093	1,689	6,039	
Percent of appropriations-----	103.9	100.7	101.2	103.5	97.5	113.8	98.2	99.8	132.4	110.1	
1971: Appropriations-----	23,083	1,608	778	2,890	5,204	992	2,250	2,740	1,414	5,207	
Expenditures-----	23,759	1,594	800	2,932	5,312	1,393	2,489	2,590	1,401	5,248	
Percent of appropriations-----	102.9	99.1	102.8	101.5	102.1	140.4	110.6	94.5	99.1	100.8	
1972: Appropriations-----	29,294	2,121	1,093	3,633	5,770	1,296	2,464	3,244	2,028	7,645	
Expenditures-----	28,877	1,709	866	2,979	4,890	1,204	2,213	2,732	1,627	5,457	
Percent of appropriations-----	80.8	80.6	79.2	82.0	84.7	92.9	89.8	84.2	80.2	71.4	
1973: Appropriations-----	44,510	3,214	1,930	5,730	8,485	1,998	3,056	4,269	3,926	11,902	
Expenditures-----	29,086	2,073	1,227	3,648	4,963	1,433	2,378	3,420	2,105	7,849	
Percent of appropriations-----	65.3	64.5	63.6	63.7	58.5	71.2	77.8	80.1	53.6	65.9	
1974: Appropriations-----	56,908	3,240	3,157	7,503	14,642	5,423	2,652	5,919	1,690	12,682	
Expenditures-----	41,066	2,764	1,908	5,675	7,745	2,141	2,671	4,652	2,513	10,997	
Percent of appropriations-----	72.2	85.3	60.4	75.6	52.9	39.5	100.7	78.6	148.7	86.7	
1975: Appropriations-----	45,423	3,623	1,899	7,454	14,270	3,199	1,852	3,764	1,014	8,248	
Expenditures-----	45,508	3,083	1,901	7,172	11,785	3,538	2,256	4,054	1,829	9,950	
Percent of appropriations-----	100.3	85.1	100.1	96.2	82.6	110.6	115.6	107.7	180.4	120.6	

Source: The Conference Board, New York, N.Y., *Quarterly Survey of Capital Appropriations*. (Copyright.)

## NO. 1372. MANUFACTURES—EXPENDITURES FOR NEW PLANT AND EQUIPMENT AND GROSS BOOK VALUE OF DEPRECIABLE ASSETS, 1970 TO 1974

MAJOR INDUSTRY GROUP	EXPENDITURES FOR NEW PLANT AND EQUIPMENT (mil. dol.)				GROSS BOOK VALUE (end of year) OF DEPRECIABLE ASSETS (bil. dol.)					
	1970	1972	1973	1974	1970		1973			
					To-tal	Mach. and equip.	To-tal	Mach. and equip.		
All industries-----	22,143	24,073	26,973	35,546	267	193	316	229	338	246
Food and kindred products-----	2,144	2,355	2,412	3,006	24	16	28	19	30	20
Tobacco manufactures-----	56	133	180	185	1	1	1	1	1	1
Textile mill products-----	811	1,127	1,121	1,170	10	7	13	9	13	10
Apparel, other textile mill prod.-----	300	364	387	390	3	2	3	2	3	2
Lumber and wood products <sup>1</sup> -----	535	931	953	1,357	6	4	9	7	9	7
Furniture and fixtures-----	231	306	344	351	2	1	3	2	3	2
Paper and allied products-----	1,397	1,335	1,530	2,208	19	16	22	18	24	19
Printing and publishing-----	873	1,048	1,084	1,141	9	7	12	8	12	9
Chemicals and allied products-----	3,111	2,728	3,186	4,957	35	27	41	32	45	35
Petroleum and coal products-----	1,218	1,154	1,107	1,845	16	10	18	10	19	12
Rubber and misc. plastics prod. <sup>1</sup> -----	828	1,060	1,305	1,457	8	6	11	8	12	9
Leather and leather products-----	39	75	81	76	1	(2)	1	1	1	1
Stone, clay, and glass products-----	920	1,196	1,391	1,584	13	9	15	11	16	12
Primary metal industries <sup>1</sup> -----	2,737	2,161	2,334	3,752	42	33	46	37	49	39
Fabricated metal products <sup>1,2</sup> -----	1,140	1,323	1,735	1,981	15	11	19	14	21	15
Machinery, exc. electrical-----	1,855	1,906	2,321	3,312	20	14	24	17	27	19
Electric and electronic equip. <sup>1</sup> -----	1,520	1,418	1,996	2,426	15	10	17	12	19	13
Transportation equipment <sup>1,2</sup> -----	1,612	2,660	2,529	3,176	20	13	24	16	25	17
Instruments and related prod. <sup>1</sup> -----	436	481	636	808	4	2	6	4	6	4
Misc. manufacturing industries-----	253	314	341	362	3	2	3	2	3	2
Ordnance and accessories <sup>3</sup> -----	127	(2)	(2)	(2)	2	1	(2)	(2)	(2)	(2)

Z. Less than \$500 million. <sup>1</sup> Data for 1970 not directly comparable with following years because of revision of Standard Industrial Classification (SIC) system in 1972. <sup>2</sup>"Ordnance and accessories" combined with "Fabricated metal products" and "Transportation equipment" in 1972 revision of SIC system.

<sup>3</sup> Excludes government owned and operated.

Source: U.S. Bureau of the Census, *Annual Survey of Manufactures*.

# Employment and Value Added—Fuels and Electric Energy Used 799

## NO. 1373. MANUFACTURING EMPLOYMENT AND VALUE ADDED—PERCENT DISTRIBUTION, BY GEOGRAPHIC DIVISIONS: 1950 TO 1975

[For composition of divisions, see fig. I, inside front cover. For definition of "value added," see table 1360]

GEOGRAPHIC DIVISION	1950	1954	1958	1963	1965	1967	1970	1972	1974	1975
<b>EMPLOYMENT</b>										
New England.....	9.8	9.0	8.7	8.4	8.2	8.1	7.6	7.2	7.2	7.1
Middle Atlantic.....	26.9	26.6	25.7	24.0	23.4	22.6	21.8	20.7	19.7	19.5
East North Central.....	30.0	28.6	26.6	26.4	27.2	26.7	26.0	25.9	26.1	25.3
West North Central.....	5.6	6.0	6.0	6.0	6.0	6.2	6.2	6.3	6.6	6.7
South Atlantic.....	11.1	11.0	11.8	12.5	12.7	12.9	13.6	14.4	14.3	14.5
East South Central.....	4.4	4.5	4.9	5.2	5.6	5.7	6.1	6.6	6.7	6.6
West South Central.....	4.0	4.5	5.0	5.1	5.3	5.6	6.1	6.5	6.7	7.0
Mountain.....	1.1	1.1	1.4	1.7	1.6	1.6	1.8	2.0	2.2	2.2
Pacific.....	7.0	8.8	10.0	10.6	10.0	10.6	10.3	10.4	10.7	10.9
<b>VALUE ADDED</b>										
New England.....	8.3	7.8	7.4	7.1	7.1	7.2	6.8	6.4	6.1	5.9
Middle Atlantic.....	26.2	26.0	24.6	22.7	22.5	21.9	21.4	19.9	18.6	18.6
East North Central.....	33.2	31.2	28.9	29.3	30.2	28.6	27.5	28.2	28.3	26.8
West North Central.....	5.7	6.1	6.3	6.1	6.2	6.4	6.9	6.7	6.7	7.1
South Atlantic.....	9.4	9.1	10.1	11.0	11.1	11.2	11.8	12.5	12.2	12.5
East South Central.....	3.8	4.0	4.5	4.8	5.1	5.2	5.7	6.0	6.1	6.1
West South Central.....	4.3	4.9	5.5	5.7	5.8	6.3	6.7	7.0	8.1	8.8
Mountain.....	1.2	1.2	1.6	1.8	1.6	1.7	1.9	2.1	2.3	2.3
Pacific.....	7.9	9.7	11.1	11.5	10.7	11.3	11.1	11.3	11.6	12.0

Source: U.S. Bureau of the Census, *Census of Manufactures: 1963*, vol. III; *Census of Manufactures, 1967*, General Summary, MC67(1)-1; *Census of Manufactures, 1972: General Summary*, MC72(1)-1; and *Annual Survey of Manufactures*.

## NO. 1374. FUELS AND ELECTRIC ENERGY USED IN MANUFACTURING: 1950 TO 1975

[For 1950, excludes Alaska and Hawaii. Refers to use for heat and power only]

ITEM	1950	1954	1960	1963	1967	1970	1972	1974	1975
Cost of purchased fuels and electric energy...mill. dol.	4,185	4,932	5,765	6,370	7,602	9,425	11,970	19,466	23,308
Cost of fuels <sup>1</sup> .....mill. dol.	2,924	3,204	3,193	3,409	3,975	4,846	6,128	10,949	12,988
Cost of electric energy...mill. dol.	1,260		1,728	2,572	2,061	3,717	4,579	5,851	8,517
Electric energy purchased.....bil. kWh	131	187	292	334	428	501	(NA)	616	592
Generated less sold <sup>2</sup> .....bil. kWh	(NA)	61	70	.73	78	83	(NA)	79	64

NA. Not available. <sup>1</sup> Interplant transfer value excluded after 1954. <sup>2</sup> Represents net consumption.

Source: U.S. Bureau of the Census, *Census of Manufactures, 1972*, reports MC72(S)-6, MC72(SR)-65, and *General Summary*, MC72(I)-1; and *Annual Survey of Manufactures*, M74(A.S.)-4.2 and M75(A.S.)-4P.

## NO. 1375. FUELS AND ELECTRIC ENERGY USED FOR HEAT AND POWER IN MANUFACTURING: 1958 TO 1975

[A kilowatt-hour equivalent is equal to 3,412 Btu. For definition of Btu, see headnote, table 976. See also *Historical Statistics, Colonial Times to 1970*, series P 216-226.]

FUEL	QUANTITY PURCHASED (billions) (kWh equivalent)					COST (mil. dol.)				
	1958	1962	1967	1971	1975	1958	1962	1967	1971	1975
Coal.....	628.0	686.3	576.5	471.3	342.6	638	640	552	658	1,310
Coke and breeze.....	103.6	134.8	103.6	104.7	96.4	271	305	249	318	816
Fuel oil and related products.....	283.4	334.6	320.1	438.4	506.5	523	623	536	989	3,524
Gas.....	957.6	1,325.6	1,609.6	1,957.6	1,742.0	901	1,456	1,749	2,560	5,653
Other fuels.....	35.3	80.6	89.6	64.2	120.8	148	337	220	378	863
Fuel, not classified.....	156.4	(1)	384.6	296.2	128.2	358	(1)	669	458	737
Purchased electric energy.....	252.9	314.0	427.4	541.6	591.7	2,281	2,823	3,717	5,079	10,282

<sup>1</sup> Fuels not classified by kind were prorated into specified fuels.

Source: U.S. Bureau of the Census, *Census of Manufactures, 1972*, special report MC72(S)-6, and *Annual Survey of Manufactures, 1975*, M75(A.S.-4).

## Manufactures

## NO. 1376. MANUFACTURES SUMMARY

(Data based on various editions of the *Standard Industrial Classification Manual*, published by the Office of

In- du- stry code <sup>1</sup>	INDUSTRY GROUP	1967				1972			
		Estab- lish- ments	All employees		Value added by manu- facture <sup>3</sup>	Estab- lish- ments	All employees		Value added by manu- facture <sup>3</sup>
			Num- ber	Num- ber <sup>2</sup>			Num- ber	Num- ber <sup>2</sup>	
(X)	All manufacturing establish- ments, incl. administrative and auxiliary units.....	Number	1,000	Mil. dol.	Mil. dol.	Number	1,000	Mil. dol.	Mil. dol.
		311,140	19,323	132,208	261,984	320,701	19,027	174,187	353,973
20	Food and kindred products.....	632,518	1,650	10,077	26,621	28,183	1,569	12,920	35,615
201	Meat products.....	4,914	310	1,954	3,551	4,437	308	2,544	4,961
202	Dairy products.....	6,188	232	1,449	3,466	4,590	189	1,596	4,054
203	Preserved fruits and vegetables.....	3,528	223	1,084	3,238	2,557	233	1,534	4,514
204	Grain mill products.....	3,202	112	758	2,882	3,080	111	1,013	3,699
205	Bakery products.....	4,390	264	1,665	3,495	3,633	235	2,029	4,537
206	Sugar and confectionery products.....	182	114	644	1,900	1,249	107	832	2,473
207	Fats and oils.....	(NA)	44	297	919	860	40	366	1,201
208	Beverages.....	4,376	221	1,525	4,790	3,624	212	2,033	6,689
209	Misc. foods and kindred products.....	4,498	130	700	2,375	4,153	134	974	3,397
21	Tobacco products.....	329	75	377	7,2,032	272	66	502	2,637
211	Cigarettes.....	16	37	221	7,1,640	20	38	345	2,188
212	Cigars.....	148	19	71	7,196	124	14	68	192
213	Chewing and smoking tobacco.....	46	4	18	7,64	37	3	23	103
214	Tobacco stemming and redrying.....	119	16	66	7,133	91	11	66	154
22	Textile mill products.....	7,080	929	4,391	8,153	7,201	953	6,051	11,716
221	Weaving mills, cotton.....	393	203	938	1,624	307	121	745	1,256
222	Weaving mills, manmade fiber.....	306	109	529	922	412	150	979	1,832
223	Weaving, finishing mills, wool.....	310	42	216	429	198	19	132	239
224	Narrow fabric mills.....	384	26	121	214	376	27	162	289
225	Knitting mills.....	2,698	241	1,036	1,914	2,723	277	1,647	3,181
226	Textile finishing, except wool.....	641	74	416	710	655	80	564	1,114
227	Floor covering mills.....	385	44	228	599	527	60	415	1,076
228	Yarn and thread mills.....	768	119	505	946	807	148	866	1,580
229	Misc. textile goods.....	1,105	72	401	795	1,196	72	540	1,149
23	Apparel, other textile products.....	26,393	1,357	5,582	10,064	24,438	1,368	7,212	13,488
231	Men's and boys' suits and coats.....	1,003	136	642	1,048	856	125	770	1,342
232	Men's and boys' furnishings.....	2,853	345	1,212	2,181	2,787	363	1,692	3,242
233	Women's and misses' outerwear.....	9,416	409	1,756	3,183	9,526	433	2,270	4,102
234	Women's, children's undergarments.....	1,213	114	444	887	1,002	105	525	1,049
235	Hats, caps, and millinery.....	843	24	102	164	496	15	73	133
236	Children's outerwear.....	1,334	78	298	538	1,061	75	368	709
237	Fur goods.....	1,304	9	59	117	797	5	41	80
238	Misc. apparel and accessories.....	1,397	71	285	510	1,302	62	335	636
239	Misc. fabricated textile products.....	7,030	173	785	1,457	6,611	186	1,139	2,188
24	Lumber and wood products <sup>8</sup> .....	36,795	554	2,799	4,973	33,949	691	4,986	10,310
241	Logging camps, log contractors.....	16,334	71	339	695	13,238	80	524	1,163
242	Sawmills and planing mills.....	11,461	216	1,028	1,784	9,492	204	1,488	3,259
243	Millwork, plywood, and structural members <sup>8</sup> .....	4,558	156	896	1,505	5,506	191	1,474	2,908
244	Wood containers <sup>8</sup> .....	905	31	135	239	1,160	37	204	359
245	Wood buildings and mobile homes.....	(NA)	(NA)	(NA)	(NA)	993	97	745	1,491
249	Misc. wood products <sup>8</sup> .....	3,537	83	401	750	3,600	82	550	1,129
25	Furniture and fixtures.....	10,008	425	2,258	4,170	9,233	462	3,205	6,097
251	Household furniture <sup>8</sup> .....	6,306	298	1,456	2,650	5,369	317	2,024	3,861
252	Office furniture.....	365	35	225	478	433	39	330	660
253	Public bldg., related furniture.....	438	23	132	234	422	21	158	296
254	Partitions and fixtures.....	1,970	48	324	587	2,010	57	484	871
259	Misc. furniture and fixtures.....	929	22	121	221	999	27	210	410
26	Paper and allied products.....	5,890	639	4,436	9,756	6,038	633	5,992	13,064
261	Pulp mills.....	61	15	126	334	60	11	126	307
262	Paper mills, except building paper.....	354	140	1,121	2,356	349	130	1,440	2,909
263	Paperboard mills.....	283	67	534	1,509	273	69	778	1,994
264	Misc. converted paper products.....	2,492	187	1,187	2,833	2,525	189	1,630	4,008
265	Paperboard containers and boxes.....	2,606	219	1,387	2,541	2,739	224	1,907	3,599
266	Building paper and board mills.....	94	12	83	184	92	12	112	247

For footnotes, see pp. 804 and 805.

# Industry Groups

801

## FOR INDUSTRY GROUPS: 1967 TO 1975

Management and Budget; see text, p. 792. See also *Historical Statistics, Colonial Times to 1970*, series P 58-67.

1974				1975							
All employees		Value added by manufacture <sup>3</sup>	Capital expenditures, new <sup>4</sup>	All employees		Production workers		Value added by manufacture <sup>3</sup>	Value of shipments <sup>5</sup>	Capital expenditures, new <sup>4</sup>	
Number <sup>2</sup>	Pay-roll	Mil. dol.	Mil. dol.	Number <sup>2</sup>	Pay-roll	Number <sup>2</sup>	Wages	Mil. dol.	Mil. dol.	Mil. dol.	
1,000	Mil. dol.	Mil. dol.	Mil. dol.	1,000	Mil. dol.	1,000	Mil. dol.	Mil. dol.	Mil. dol.	Mil. dol.	
19,845	208,367	452,478	35,699	18,345	209,958	12,601	121,709	441,850	1,041,211	37,349	
1,552	14,778	44,769	3,018	1,527	15,891	1,057	9,861	48,142	172,510	3,399	
312	2,945	5,987	394	308	3,163	250	2,373	7,170	43,831	424	
181	1,709	4,824	281	170	1,822	90	907	4,946	22,801	292	
231	1,814	5,417	433	223	1,920	191	1,470	5,975	16,754	430	
114	1,216	4,042	308	114	1,331	81	874	5,661	20,685	471	
235	2,360	5,359	243	237	2,584	140	1,357	6,288	11,718	273	
107	963	4,318	194	103	988	81	707	3,616	11,422	281	
41	446	2,183	150	41	472	29	310	1,633	12,781	232	
205	2,254	7,584	701	205	2,444	103	1,153	8,258	20,608	701	
127	1,071	4,157	224	126	1,168	92	712	4,594	11,915	296	
68	607	3,217	185	66	655	56	513	3,722	8,113	148	
41	438	2,689	147	40	477	34	379	3,204	5,399	102	
12	65	174	5	10	58	9	48	166	296	6	
3	24	121	16	3	27	2	20	142	262	3	
12	83	232	17	13	92	11	66	210	2,157	37	
932	6,684	13,169	1,172	838	6,418	728	4,932	12,110	31,274	1,002	
121	837	1,552	137	109	781	99	664	1,361	3,035	141	
158	1,165	2,192	203	152	1,153	136	939	1,965	4,656	192	
17	130	248	17	14	112	12	82	198	454	11	
24	160	332	16	20	145	17	106	272	587	13	
257	1,738	3,269	236	230	1,679	199	1,260	3,292	8,306	226	
75	594	1,101	94	68	614	57	460	1,155	3,025	94	
57	451	1,141	105	49	421	39	280	1,046	3,273	53	
151	991	1,975	216	131	911	118	740	1,572	4,703	153	
73	617	1,360	147	65	602	52	402	1,251	3,256	120	
1,317	7,643	14,943	391	1,213	7,689	1,057	5,762	13,381	31,084	416	
112	768	1,344	28	98	736	85	564	1,260	2,271	16	
362	1,848	3,653	107	335	1,856	300	1,467	3,647	7,772	108	
419	2,417	4,746	98	401	2,505	348	1,843	4,838	9,972	130	
101	538	1,022	18	87	516	75	377	997	1,999	24	
13	81	128	3	15	98	14	79	151	300	3	
71	372	769	14	64	362	56	275	707	1,417	13	
4	38	83	1	4	37	3	28	85	236	3	
65	367	754	14	55	362	47	258	683	1,458	16	
170	1,215	2,443	111	164	1,216	130	872	1,013	5,660	104	
674	5,485	11,534	1,357	592	5,269	509	4,079	10,456	25,194	1,282	
76	675	1,836	277	67	664	62	566	1,728	3,784	378	
222	1,728	3,737	583	198	1,675	176	1,384	3,130	7,552	489	
174	1,512	2,764	211	159	1,528	133	1,150	2,834	7,014	187	
38	250	551	32	32	236	28	181	477	992	37	
77	651	1,176	57	58	539	44	347	1,048	3,037	36	
88	670	1,470	199	78	627	66	451	1,239	2,814	155	
459	3,570	6,983	351	398	3,323	327	2,349	6,311	12,421	255	
312	2,197	4,249	244	268	2,048	228	1,505	3,836	7,827	153	
46	420	832	33	37	370	28	251	753	1,277	30	
22	186	339	16	20	174	16	116	330	658	16	
55	527	1,065	41	48	492	37	326	930	1,735	36	
26	241	500	19	25	239	19	151	461	924	21	
648	7,022	19,096	2,214	590	6,985	454	4,873	17,927	41,743	2,718	
12	163	770	136	13	193	10	144	831	1,652	300	
130	1,666	4,347	723	120	1,657	94	1,225	3,892	9,537	830	
72	927	2,980	637	65	920	51	687	2,881	6,155	801	
207	2,050	5,920	315	192	2,058	147	1,378	5,722	13,122	412	
216	2,096	4,800	342	189	2,050	144	1,356	4,364	10,791	349	
11	120	270	63	9	106	8	84	238	487	26	

## Manufactures

## No. 1376. MANUFACTURES SUMMARY

[See headnote,

Industry code <sup>1</sup>	Industry Group	1967				1972			
		Establishments		All employees		Establishments		All employees	
		Number <sup>2</sup>	Pay-roll	Mil. dol.	Value added by manufacturer <sup>3</sup>	Number <sup>2</sup>	Pay-roll	Mil. dol.	Value added by manufacturer <sup>3</sup>
27	Printing and publishing	37,989	1,031	7,152	14,355	42,103	1,057	9,831	20,210
271	Newspapers	8,094	336	2,224	4,185	8,116	349	3,168	6,220
272	Periodicals	2,510	79	634	1,869	2,534	67	709	2,110
273	Books	1,766	97	688	1,967	1,905	98	919	2,540
274	Misc. publishing	1,493	31	197	418	2,041	39	331	776
275	Commercial printing <sup>4</sup>	19,497	331	2,368	3,944	22,282	344	3,277	5,695
276	Manifold business forms	542	34	240	551	667	39	344	824
277	Greeting card publishing <sup>4</sup>	222	28	151	372	199	24	192	527
278	Blankbooks and bookbinding	1,462	54	294	506	1,465	52	372	687
279	Printing trades services <sup>4</sup>	2,403	42	366	544	2,894	47	521	831
28	Chemicals and allied products <sup>4</sup>	61,799	6,841	6,443	23,550	11,425	837	8,731	32,414
281	Industrial inorganic chemicals <sup>4</sup>	2,082	248	2,090	7,737	1,049	100	1,079	3,343
282	Plastics materials, synthetics <sup>4</sup>	771	172	1,292	3,799	461	162	1,666	4,935
283	Drugs	1,129	118	942	4,073	1,078	130	1,413	6,131
284	Soap, cleaners, toilet goods <sup>4</sup>	2,508	97	684	3,930	2,573	112	1,058	6,201
285	Paints and allied products	1,701	66	492	1,319	1,599	66	647	1,792
286	Industrial organic chemicals	(NA)	131	1,130	4,406	827	137	1,614	6,073
287	Agricultural chemicals <sup>4</sup>	1,278	46	281	1,006	1,233	48	438	1,737
289	Misc. chemical products <sup>4</sup>	2,196	88	628	1,587	2,605	83	814	2,203
29	Petroleum and coal products	1,880	142	1,216	5,426	2,016	140	1,638	5,793
291	Petroleum refining	437	107	965	4,745	323	101	1,247	4,595
295	Paving and roofing materials	1,098	27	186	456	1,199	30	297	846
299	Misc. petroleum and coal products	345	8	65	225	494	9	94	352
30	Rubber and miscellaneous plastics products <sup>4</sup>	6,456	517	3,287	6,800	9,237	618	5,165	11,653
301	Tires and inner tubes	182	93	775	1,823	206	108	1,214	3,071
302	Rubber, plastics footwear <sup>4</sup>	65	29	141	245	107	32	188	370
303	Reclaimed rubber	24	2	12	23	20	1	9	16
304	Rubber, plastics hose, belting	(NA)	(NA)	(NA)	(NA)	90	32	309	619
306	Fabricated rubber products, n.e.c. <sup>4</sup>	1,189	142	923	1,741	1,116	99	809	1,573
307	Misc. plastics products <sup>4</sup>	4,996	252	1,436	2,968	7,098	347	2,642	6,005
31	Leather and leather products	3,685	6329	6,1459	2,627	3,201	273	1,589	2,917
311	Leather tanning and finishing	519	31	186	319	517	26	200	368
313	Boot, shoe cut stock, findings	379	14	60	109	248	9	50	86
314	Footwear, except rubber	1,083	211	889	1,620	917	176	973	1,796
315	Leather gloves and mittens	147	6	22	36	106	5	22	43
316	Luggage	323	21	67	186	277	17	107	194
317	Women's handbags and purses	792	37	163	279	688	34	195	345
319	Leather goods, n.e.c. <sup>4</sup>	365	6	26	46	448	7	43	84
32	Stone, clay, and glass products	15,580	590	3,826	8,333	16,015	623	5,547	12,587
321	Flat glass	64	24	197	423	32	21	242	662
322	Glass, pressed or blown	305	109	688	1,501	369	119	1,058	2,341
323	Products of purchased glass	887	29	182	364	913	34	296	669
324	Cement, hydraulic	197	38	248	812	198	30	349	1,154
325	Structural clay products	851	60	344	612	775	52	391	771
326	Pottery and related products	619	43	247	419	620	45	335	601
327	Concrete, gypsum, plaster products	10,004	169	1,103	2,478	10,115	193	1,741	3,840
328	Cut stone and stone products	811	17	91	148	908	15	109	191
329	Misc. nonmetallic mineral prod. <sup>4</sup>	1,842	106	726	1,547	2,085	115	1,025	2,359
33	Primary metal industries <sup>4</sup>	6,837	1,281	9,851	19,978	6,792	1,143	12,167	23,258
331	Blast furnace and basic steel prod.	861	617	5,022	10,170	970	553	6,389	12,116
332	Iron and steel foundries	1,438	238	1,641	2,631	1,400	219	2,155	3,481
333	Primary nonferrous metals	144	53	405	1,382	177	59	627	1,706
334	Secondary nonferrous metals	403	17	123	271	381	18	170	411
335	Nonferrous rolling and drawing	833	195	1,438	3,325	903	188	1,871	3,800
336	Nonferrous foundries	1,886	90	609	1,068	1,841	81	722	1,289
339	Misc. primary metal products <sup>4</sup>	1,272	76	613	1,132	1,120	25	233	476

For footnotes, see pp. 804 and 805.

# Industry Groups

803

## FOR INDUSTRY GROUPS: 1967 TO 1975—Continued

pp. 800 and 801]

1974				1975							
All employees		Value added by manufacture <sup>3</sup>	Capital expenditures, new <sup>4</sup>	All employees		Production workers		Value added by manufacture <sup>3</sup>	Value of shipments <sup>5</sup>	Capital expenditures, new <sup>4</sup>	
Number <sup>2</sup>	Pay-roll	Mil. dol.	Mil. dol.	Number <sup>2</sup>	Pay-roll	Number <sup>2</sup>	Wages	Mil. dol.	Mil. dol.	Mil. dol.	
1,000	Mil. dol.	Mil. dol.	Mil. dol.	1,000	Mil. dol.	1,000	Mil. dol.	Mil. dol.	Mil. dol.	Mil. dol.	
1,076	11,139	23,610	1,141	1,073	11,675	630	6,253	24,504	38,135	1,184	
358	3,599	7,045	408	362	3,785	167	1,716	7,592	10,468	367	
72	808	2,436	56	73	877	14	119	2,642	4,380	67	
95	1,038	3,009	100	99	1,120	50	475	3,120	4,746	139	
36	345	783	21	34	370	14	113	873	1,299	38	
353	3,728	6,628	401	355	3,906	273	2,731	6,896	11,942	414	
45	446	1,325	67	40	440	30	292	1,152	2,188	75	
22	193	645	13	19	195	10	93	464	833	15	
51	412	825	31	47	416	39	305	850	1,234	33	
45	572	915	44	44	567	34	410	915	1,136	37	
865	10,542	44,432	5,072	848	11,304	511	5,871	45,116	89,848	6,382	
106	1,358	4,737	628	110	1,553	68	866	5,212	9,717	717	
170	2,024	6,939	1,327	151	1,997	105	1,213	5,506	14,349	1,525	
147	1,858	7,419	400	151	2,058	75	796	8,044	11,242	475	
111	1,221	7,073	229	110	1,299	67	666	7,125	12,885	233	
65	742	2,228	119	60	737	31	316	2,126	5,141	122	
135	1,899	9,325	1,589	137	2,076	86	1,176	9,680	21,104	2,060	
50	550	3,813	585	52	649	34	373	4,562	9,184	986	
81	891	2,898	193	77	935	46	465	2,961	6,225	265	
146	1,920	9,951	1,845	141	2,144	98	1,356	10,090	68,969	2,328	
103	1,402	8,364	1,716	101	1,657	70	1,059	8,472	64,682	2,184	
32	333	1,092	84	30	349	22	237	1,102	2,998	87	
11	126	496	45	11	138	6	60	516	1,390	58	
661	6,203	14,826	1,457	587	5,945	453	4,002	13,674	27,317	1,153	
117	1,453	3,703	486	106	1,332	80	980	3,463	7,143	272	
29	194	395	9	25	176	22	129	320	566	10	
31	335	738	72	27	307	19	196	695	1,235	80	
106	959	1,863	126	90	885	69	585	1,748	3,412	86	
1	10	20	1	1	9	1	6	16	28	1	
378	3,253	8,107	763	338	3,235	262	2,107	7,482	14,932	704	
256	1,604	3,120	76	240	1,652	209	1,252	3,187	6,333	78	
22	194	398	13	23	220	19	166	443	1,082	23	
7	43	72	3	8	53	7	41	74	212	3	
162	961	1,860	45	146	936	130	739	1,827	3,425	35	
7	37	66	2	6	33	6	25	55	137	1	
18	119	247	6	17	125	13	80	245	469	4	
33	202	378	5	34	231	29	163	430	757	7	
7	48	100	2	7	56	6	38	113	242	5	
639	6,432	14,600	1,588	592	6,403	464	4,601	15,338	27,595	1,602	
22	277	601	96	19	271	15	211	509	854	60	
119	1,190	2,567	263	111	1,322	98	998	2,977	4,552	283	
36	357	748	65	36	367	29	253	775	1,528	50	
31	411	1,374	267	29	411	23	316	1,334	2,338	364	
52	434	867	82	47	411	37	299	826	1,394	64	
50	419	781	45	44	391	36	288	736	1,068	44	
189	1,944	4,387	460	178	1,961	130	1,299	4,874	9,866	430	
14	110	211	11	15	121	12	94	241	384	8	
126	1,289	3,065	298	113	1,247	86	845	3,066	5,611	298	
1,248	15,900	37,297	3,752	1,091	15,015	856	11,047	30,554	81,315	4,187	
611	8,641	20,061	1,857	534	8,129	418	6,032	15,931	42,732	2,306	
239	2,750	4,724	544	220	2,714	183	2,109	4,941	8,824	524	
63	815	2,065	586	58	844	44	618	2,435	7,995	599	
19	214	1,019	46	17	208	12	129	595	2,878	62	
200	2,311	6,292	500	162	2,008	120	1,372	4,610	15,010	473	
90	875	1,598	163	76	813	61	596	1,435	2,797	165	
25	293	639	54	24	299	17	190	608	1,080	59	

## Manufactures

## No. 1376. MANUFACTURES SUMMARY

[See headnote,

In- du- stry code <sup>1</sup>	INDUSTRY GROUP	1967			1972		
		Estab- lish- ments	All employees		Estab- lish- ments	All employees	
			Num- ber <sup>2</sup>	Pay- roll		Num- ber	Pay- roll
34	Fabricated metal products <sup>8</sup>	Number <sup>1,000</sup>	Mil. dol.	Mil. dol.	Number <sup>1,000</sup>	Mil. dol.	Mil. dol.
341	Metal cans, shipping containers <sup>8</sup>	27,418	6,342	6,932	18,043	29,525	14,933
342	Cutlery, handtools, hardware	299	60	474	1,142	553	79
343	Plumbing and heating, ex, electric <sup>8</sup>	1,939	156	1,043	2,318	1,904	159
344	Fabricated structural metal prod.	10,151	388	2,687	4,934	10,351	395
345	Screw machine products, bolts, etc.	2,536	116	847	1,621	2,482	101
346	Metal forgings, stampings <sup>8</sup>	2,710	226	1,686	3,031	3,188	264
347	Metal services, n.e.c.	4,684	81	481	864	4,761	82
348	Ordnance and accessories, n.e.c. <sup>8</sup>	(NA)	(NA)	(NA)	(NA)	315	110
349	Misc. fabricated metal products <sup>8</sup>	2,711	189	1,309	2,591	5,214	244
35	Machinery, exc. electrical	37,892	1,865	14,226	27,836	40,792	1,828
351	Engines and turbines	182	100	820	1,598	253	116
352	Farm and garden machinery	1,618	136	947	2,042	1,658	1,211
353	Construction and related machinery	2,305	273	2,041	4,130	2,517	275
354	Metalworking machinery	9,439	337	2,860	5,091	9,652	268
355	Special industry machinery	3,312	207	1,570	2,880	3,085	190
356	General industrial machinery	3,760	279	2,137	4,107	3,363	262
357	Office and computing machines	594	190	1,462	3,332	995	208
358	Refrigeration, service machinery	1,573	140	947	2,125	1,769	198
359	Misc. machinery, except electrical <sup>8</sup>	15,109	203	1,448	2,631	16,400	184
36	Electric and electronic equip. <sup>8</sup>	10,706	1,875	12,968	24,487	12,270	1,662
361	Electric distributing equipment <sup>8</sup>	1,218	176	1,230	2,509	784	116
362	Electrical industrial apparatus	1,316	207	1,420	2,792	1,510	188
363	Household appliances	637	169	1,101	2,540	645	163
364	Electric lighting and wiring equip.	1,888	157	950	2,214	1,897	177
365	Radio and TV receiving equipment	661	130	720	1,587	939	107
366	Communication equipment	1,402	525	4,397	6,998	1,976	454
367	Electronic components, accessories	2,439	403	2,435	4,359	2,867	336
369	Misc. electrical equipment, supplies	1,165	107	715	1,494	1,652	120
37	Transportation equipment <sup>8</sup>	7,483	1,834	15,174	28,174	8,802	1,719
371	Motor vehicles and equipment <sup>8</sup>	2,675	739	5,930	13,666	3,391	808
372	Aircraft and parts <sup>8</sup>	1,273	802	7,209	11,327	1,094	439
373	Ship and boat building and repairing	2,011	169	1,239	2,705	2,232	185
374	Railroad equipment	123	57	427	788	163	51
375	Motorcycles, bicycles, parts	91	12	70	136	222	18
376	Guided missiles, space vehicles	(NA)	(NA)	(NA)	(NA)	147	160
379	Misc. transportation equipment <sup>8</sup>	1,310	55	298	551	1,553	59
38	Instruments and related prod. <sup>8</sup>	4,453	394	2,822	6,418	5,983	453
381	Engineering, scientific instruments	677	46	327	617	748	37
382	Measuring and control devices <sup>8</sup>	766	104	732	1,392	1,611	153
383	Optical instruments and lenses <sup>8</sup>	303	21	163	284	494	19
384	Medical instruments and supplies	1,466	67	427	966	1,807	91
385	Ophthalmic goods	461	26	143	284	499	27
386	Photographic equip. and supplies	557	95	820	2,481	627	183
387	Watches, clocks, and watchcases	223	35	209	393	202	31
39	Misc. manufacturing <sup>8,9</sup>	14,489	824	5,819	10,189	15,187	446
391	Jewelry, silverware, and plated ware	2,212	52	320	641	2,296	53
393	Musical instruments	343	25	144	238	344	25
394	Toys and sporting goods	2,435	116	559	1,205	2,460	133
395	Pens, office and art goods	959	35	200	412	966	32
396	Costume jewelry and notions	1,608	52	252	528	1,482	50
399	Misc. manufactures <sup>8,9</sup>	6,932	544	4,345	7,163	7,639	153
60	Administrative and auxiliary <sup>10</sup>	5,460	831	8,728	(X)	8,039	994
						13,772	(X)

NA Not available. X Not applicable.

<sup>1</sup> Standard Industrial Classification code.<sup>2</sup> "All employees" represents the average of "production workers" plus all other employees for the payroll period ended nearest the 15th of March.<sup>3</sup> Value of shipments less cost of materials, supplies, containers, fuels, purchased electricity, and contract work, plus net change in finished goods and work-in-process inventory, and value added in merchandising activities of manufacturing establishments.<sup>4</sup> Includes expenditures for plants in operation and plants under construction but not yet in operation.<sup>5</sup> Includes extensive duplication arising from shipments between establishments in the same industry classification.<sup>6</sup> Includes industries not shown separately.

# Industry Groups

805

## FOR INDUSTRY GROUPS: 1967 TO 1975—Continued

pp. 800 and 801]

1974			1975							
All employees		Value added by manufacture <sup>2</sup>	Capital expenditures, new <sup>4</sup>	All employees		Production workers		Value added by manufacture <sup>3</sup>	Value of shipments <sup>5</sup>	Capital expenditures, new <sup>4</sup>
Number <sup>2</sup>	Pay-roll	Mil. dol.	Mil. dol.	Number <sup>2</sup>	Pay-roll	Number <sup>2</sup>	Wages	Mil. dol.	Mil. dol.	Mil. dol.
1,000	16,570	35,221	1,981	1,000	1,420	16,359	1,073	11,048	34,096	68,824
1,575	81	1,031	2,986	74	1,040	61	823	2,826	7,409	249
162	1,630	3,617	196	147	1,622	113	1,107	3,611	6,171	205
58	560	1,175	60	54	552	39	350	1,144	2,373	74
428	4,362	9,153	425	398	4,497	291	2,907	9,174	19,381	483
114	1,242	2,755	153	97	1,088	74	744	2,260	3,928	122
277	3,279	6,356	421	241	3,084	195	2,270	6,046	12,460	412
88	767	1,477	95	81	778	66	541	1,432	2,385	104
97	1,033	1,695	81	83	1,006	55	568	1,657	2,907	69
268	2,666	6,006	345	245	2,695	180	1,740	5,944	11,259	359
2,126	24,713	52,495	3,312	1,979	24,702	1,350	14,854	51,471	96,400	3,369
131	1,710	3,666	357	122	1,685	83	1,032	3,449	7,647	339
158	1,790	4,214	240	150	1,877	113	1,299	4,382	9,909	344
327	3,073	8,887	605	321	2,200	219	2,648	9,510	19,014	809
320	3,910	7,396	410	295	3,715	216	2,454	6,945	10,920	294
219	2,486	5,072	264	200	2,407	128	1,336	4,896	8,932	200
301	3,435	7,147	449	291	3,578	198	2,210	7,466	13,149	454
247	3,002	7,141	378	226	3,046	110	1,073	6,477	11,568	398
202	2,092	4,715	274	158	1,800	109	1,090	3,962	8,646	188
222	2,315	4,257	246	216	2,385	174	1,711	4,385	6,616	344
1,776	18,093	36,902	2,426	1,521	17,392	1,018	9,628	34,804	64,198	1,866
123	1,244	2,636	105	105	1,153	74	721	2,487	4,448	70
217	2,185	4,532	222	185	2,032	129	1,246	4,213	7,515	228
168	1,578	3,754	209	144	1,483	111	1,008	3,583	7,923	175
180	1,627	3,947	252	145	1,452	110	946	3,389	6,141	163
107	886	2,171	125	87	861	66	530	1,969	5,158	90
463	5,492	9,979	472	434	5,714	240	2,571	10,289	17,373	422
382	3,686	6,963	785	301	3,342	197	1,896	5,933	10,024	531
135	1,395	2,920	256	121	1,356	92	909	2,939	5,615	188
1,738	22,609	44,973	3,176	1,604	22,770	1,138	14,419	45,155	113,218	2,794
798	10,468	22,301	2,397	698	9,847	570	7,567	21,182	69,575	1,866
462	6,289	12,460	283	437	6,591	255	3,290	12,872	22,170	364
200	2,044	3,061	240	204	2,316	164	1,707	3,568	6,966	330
60	735	1,603	68	60	798	46	578	1,566	4,222	73
154	2,500	4,315	124	147	2,616	56	846	4,747	7,035	109
19	172	411	25	15	153	12	112	264	813	17
44	402	823	40	44	449	35	320	957	2,438	34
524	5,582	13,674	822	502	5,854	310	2,835	14,116	22,072	757
46	521	1,057	41	46	561	27	261	1,114	1,778	40
180	1,873	3,646	173	163	1,905	96	872	3,568	5,493	141
20	238	499	15	23	283	13	122	573	880	24
105	1,000	2,317	151	111	1,127	75	594	2,631	4,336	176
29	229	495	14	27	248	20	157	478	753	15
109	1,429	5,075	411	100	1,441	54	650	5,172	7,627	345
35	292	586	17	33	290	25	181	580	1,225	16
435	3,477	7,667	362	394	3,500	303	2,174	7,696	14,647	349
53	474	1,027	23	51	482	36	282	1,001	2,303	28
30	234	441	14	25	220	20	152	391	773	16
133	970	2,286	134	113	923	90	585	2,170	4,188	107
33	282	637	34	31	281	22	159	620	1,153	33
44	325	741	29	44	347	36	224	826	1,456	21
143	1,192	2,535	120	131	1,247	99	772	2,689	4,775	144
1,131	17,788	(X)	(X)	1,128	19,015	(X)	(X)	(X)	(X)	(X)

<sup>1</sup> Value of production. The formula for computing value added by manufacture was modified to exclude any change in finished products inventories between beginning and end of year.

<sup>2</sup> Due to changes in industry classification, 1967 data not comparable with later data.

<sup>3</sup> For 1967, includes ordnance from privately owned and/or operated establishments classified in "Ordnance and accessories." Excludes government-owned and operated equipment.

<sup>4</sup> Manufacturing concerns often reported separately for central offices or auxiliaries which serve the manufacturing establishments of a company, rather than the general public. Separate reports were obtained from such units if at a different location or if they serviced more than one establishment.

Source: U.S. Bureau of the Census, *Census of Manufactures, 1967, General Summary M67(1)-1, Census of Manufactures, 1972, General Summary, MC72(1)-1*, and *Annual Survey of Manufactures, 1975, General Statistics for Industry Groups and Industries, M75(A5)-1*.

## Manufactures

## NO. 1377. MANUFACTURES SUMMARY,

[Sum of State totals may not add to U.S. total]

STATE	1967				1972			
	Establishments <sup>1</sup>		All employees <sup>2</sup>		Establishments <sup>1</sup>		All employees <sup>2</sup>	
	Total	With 20 or more employees	Number <sup>3</sup>	Pay-roll	Total	With 20 or more employees	Number <sup>3</sup>	Pay-roll
1 U.S....	311,140	110,256	1,000	Mil. dol.	320,701	114,195	1,000	Mil. dol.
2 N.E....	24,286	9,164	1,562	10,190	18,972	23,731	8,718	1,362
3 Maine....	2,385	615	111	577	1,070	2,075	590	100
4 N.H....	1,481	566	95	513	932	1,434	566	90
5 Vt....	925	281	43	259	515	860	274	37
6 Mass....	10,963	4,471	714	4,646	8,715	10,770	4,183	619
7 R.I....	2,703	922	122	700	1,351	2,756	904	118
8 Conn....	5,829	2,309	478	3,494	6,390	5,836	2,231	399
9 M.A....	76,422	29,002	4,360	30,527	57,262	71,808	26,983	3,933
10 N.Y....	42,911	14,730	1,929	13,852	25,247	38,341	12,995	1,679
11 N.J....	14,740	5,903	881	6,325	12,738	15,069	5,918	836
12 Pa....	18,771	8,369	1,550	10,350	19,277	18,398	8,070	1,418
13 E.N.C....	63,062	24,563	5,151	38,495	75,016	64,673	24,761	4,933
14 Ohio....	15,428	6,285	1,397	10,528	20,435	16,390	6,487	1,346
15 Ind....	6,920	2,917	710	5,023	10,308	7,354	3,049	704
16 Ill....	18,536	7,477	1,397	10,014	20,017	18,617	7,345	1,306
17 Mich....	14,340	5,157	1,134	9,357	17,242	14,467	5,019	1,076
18 Wis....	7,838	2,727	512	3,578	7,014	7,845	2,861	501
19 W.N.C....	20,623	6,893	1,206	8,165	16,773	21,467	7,393	1,202
20 Minn....	5,409	1,778	300	2,107	4,080	5,698	1,930	302
21 Iowa....	3,388	1,092	210	1,435	3,251	3,387	1,170	216
22 Mo....	6,545	2,457	452	3,049	5,895	6,732	2,470	434
23 N. Dak....	454	92	8	42	113	482	117	10
24 S. Dak....	604	137	16	98	171	606	151	17
25 Nebr....	1,672	525	77	476	1,150	1,723	598	85
26 Kans....	2,551	812	144	965	2,112	2,839	957	137
27 S.A....	37,961	13,138	2,502	14,014	29,313	41,534	14,981	2,739
28 Del....	528	253	71	588	958	567	243	69
29 Md....	3,401	1,463	288	1,956	3,781	3,579	1,437	256
30 D.C....	593	155	23	179	333	564	135	19
31 Va....	4,938	1,620	340	1,005	4,068	4,837	1,768	375
32 W. Va....	1,844	563	124	832	2,170	1,734	607	121
33 N.C....	8,266	3,379	643	3,066	6,607	8,632	3,794	744
34 S.C....	3,465	1,251	304	1,502	3,030	3,719	1,441	345
35 Ga....	6,976	2,268	423	2,231	4,684	7,627	2,668	467
36 Fla....	7,950	2,186	285	1,755	3,683	10,275	2,983	343
37 E.S.C....	15,746	5,528	1,092	5,909	13,718	16,525	6,246	1,249
38 Ky....	2,994	1,135	225	1,352	3,636	3,167	1,259	259
39 Tenn....	5,040	2,022	418	2,190	4,921	5,647	2,291	467
40 Ala....	4,951	1,446	289	1,603	3,526	4,984	1,630	323
41 Miss....	2,761	925	160	764	1,635	2,727	1,066	200
42 W.S.C....	21,883	6,727	1,083	6,855	16,617	24,018	7,873	1,239
43 Ark....	2,911	927	144	666	1,558	2,897	1,053	181
44 La....	3,639	1,016	165	1,084	2,790	3,657	1,133	179
45 Okla....	2,611	745	118	764	1,346	3,042	897	143
46 Tex....	12,722	4,039	658	4,340	10,922	14,422	4,790	736
47 Mt....	8,679	2,243	315	2,123	4,522	10,119	2,831	388
48 Mont....	923	191	20	130	312	943	206	21
49 Idaho....	1,131	303	37	220	503	1,100	350	43
50 Wyo....	331	65	6	37	86	377	78	7
51 Colo....	2,461	664	104	731	1,509	2,841	834	133
52 N. Mex....	749	169	17	99	205	926	227	24
53 Ariz....	1,630	424	77	543	995	2,037	597	94
54 Utah....	1,124	353	47	315	778	1,358	430	57
55 Nev....	330	74	7	50	134	447	109	10
56 Pac....	42,433	12,972	2,050	15,911	29,675	46,826	14,400	1,982
57 Wash....	5,014	1,375	271	2,119	3,764	5,345	1,463	226
58 Oreg....	4,437	1,275	163	1,083	2,061	4,670	1,461	179
59 Calif....	31,962	10,012	1,584	12,515	23,394	35,699	11,149	1,545
60 Alaska....	323	95	8	56	130	342	91	8
61 Hawaii....	697	215	25	140	326	770	236	25

<sup>1</sup> Includes central administrative offices and auxiliary units.<sup>2</sup> Includes employment and payroll at administrative offices and auxiliary units.<sup>3</sup> "Production workers" represents the average of the employment for the payroll periods ended nearest the 12th of March, May, August, and November. "All employees" represents the average of "production workers" plus all other employees for the payroll period ended nearest the 12th of March.

39,968

4,721

3,490

31,175

410

# Manufactures, by States

807

BY STATES: 1967 TO 1975

because figures were independently derived]

1975							Leading major industry groups in value added by manufacture
All employees		Production workers		Value added by manufacture <sup>4</sup>	Value of shipments	Capital expenditures, new <sup>5</sup>	
Number	Pay-roll	Number	Wages	Mil. dol.	Mil. dol.	Mil. dol.	
1,000	Mil. dol.	1,000	Mil. dol.	441,850	1,041,211	37,349	
18,345	209,958	12,601	121,709				Trans. equip.; machinery, exc. electrical; food. 1
1,319	14,440	882	7,758	26,081	52,667	1,818	Mach. exc. elect.; elect. equip.; fabricated metal. 2
96	834	79	602	1,758	3,847	315	Paper; leather; food. 3
86	809	68	558	1,606	3,081	97	Mach., exc. electrical; electrical equip.; leather. 4
40	410	28	225	782	1,682	77	Mach., exc. elec.; paper; print. and publishing. 5
589	6,500	382	3,389	11,153	24,009	622	Mach., exc. elec.; elec. equip.; instruments. 6
109	1,017	83	625	2,020	3,987	123	Misc. mfg. (jewelry); textiles; primary metal. 7
399	4,870	242	2,359	8,762	16,061	584	Trans. equip.; mach. exc. elec.; fabricated metal. 8
3,609	42,952	2,305	22,331	82,456	176,997	5,290	Chemicals; elec. equip.; mach., exc. electrical. 9
1,490	18,033	910	8,606	35,031	69,854	1,127	Print. and publishing; instruments; elec. equip. 10
777	9,615	471	4,606	17,878	40,823	1,207	Chemicals; electrical equipment; food. 11
1,342	15,304	924	9,119	29,547	66,320	1,956	Primary metal; mach., exc. elec.; elec. equip. 12
4,674	59,816	3,199	36,223	118,715	282,521	9,114	Trans. equip.; mach., exc. elec.; fabricated metal. 13
1,278	16,043	872	9,892	32,436	73,720	2,202	Mach. exc.; elec.; trans. equip.; primary metal. 14
653	7,984	470	5,154	16,290	38,236	1,504	Elec. equip.; primary metal; trans. equip. 15
1,251	15,574	819	8,813	32,133	75,066	2,229	Mach., exc. electrical; food; electrical equip. 16
973	14,125	670	8,535	24,845	64,178	2,298	Trans. equip.; mach. exc. elec.; fabricated metal. 17
519	6,090	368	3,839	13,011	31,321	881	Mach., exc. electrical; food; fabricated metal. 18
1,246	13,981	839	8,169	31,352	85,122	2,345	Food; mach., exc. electrical; trans. equipment. 19
322	3,798	198	1,957	7,458	18,751	502	Mach., exc. electrical; food; fabricated metal. 20
226	2,726	160	1,752	7,018	19,127	692	Mach., exc. electrical; food; electrical equip. 21
407	4,503	273	2,502	9,387	23,439	608	Transportation equipment; food; chemicals. 22
14	120	9	74	324	1,128	23	Food; mach. exc. elec.; stone, clay, glass prod. 23
22	189	16	129	424	1,497	37	Food machinery, exc. electrical; lumber. 24
87	892	63	580	2,391	8,408	162	Food; machinery, exc. elec.; electrical equip. 25
168	1,753	120	1,115	4,350	12,772	321	Trans. equip.; food; mach., exc. electrical. 26
2,681	25,352	1,752	15,612	55,589	129,481	5,317	Textiles; chemicals; apparel. 27
63	934	31	324	1,247	3,980	188	Chemicals; food; rubber. 28
243	2,892	102	1,616	5,583	13,120	454	Food; primary metal; electrical equipment. 29
20	279	9	116	503	888	15	Printing and publishing; food; electrical equip. 30
398	3,837	301	2,480	8,355	17,750	673	Chemicals; food; electrical equipment. 31
118	1,353	87	892	3,070	6,790	368	Chemicals; prim. metal; stone, clay, glass prod. 32
716	5,753	508	3,887	13,643	31,573	1,226	Textiles; tobacco; chemicals. 33
341	2,841	27	1,932	5,942	13,749	806	Textiles; chemicals; machinery, exc. electrical. 34
454	4,106	346	2,574	9,785	25,276	752	Textiles; food; transportation equipment. 35
328	3,237	221	1,791	7,461	16,375	835	Food; transportation equipment; elec. equip. 36
1,225	11,334	948	7,652	27,002	64,726	2,645	Chemicals; food; machinery, exc. electrical. 37
265	2,713	200	1,789	7,395	17,618	488	Electrical equip.; food; mach., exc. electrical. 38
453	4,144	339	2,667	9,298	21,809	837	Chemicals; electrical equipment; food. 39
313	2,906	252	2,071	6,623	15,781	1,062	Primary metal; paper; textiles. 40
194	1,571	157	1,125	3,683	9,518	260	Lumber; apparel; transportation equipment. 41
1,294	13,787	912	8,223	38,878	105,516	5,623	Chemicals; electrical equipment; food. 42
175	1,424	141	1,011	3,701	9,299	329	Food; electrical equipment; lumber. 43
183	2,079	136	1,374	7,346	22,048	1,155	Chemicals; food; petroleum. 44
152	1,590	99	856	3,451	8,904	303	Mach., exc. electrical; food; fabricated metal. 45
784	8,694	536	4,982	24,380	65,265	3,836	Chemicals; food; machinery exc. electrical. 46
411	4,599	278	2,648	10,352	26,024	1,225	Food; primary metal; machinery exc. electrical. 47
21	228	16	168	532	2,203	77	Lumber; primary metal; food. 48
47	498	36	328	1,295	3,045	143	Lumber; food; chemicals. 49
7	78	5	49	267	846	21	Petroleum; stone, clay, glass products; food. 50
138	1,668	88	902	3,391	8,357	365	Food; machinery, exc. electrical; trans. equip. 51
27	239	20	147	485	1,308	168	Food; electrical equip.; stone, clay, glass prod. 52
96	1,102	60	568	2,711	5,532	293	Elec. equip.; prim. metal; machinery, exc. elec. 53
64	659	45	398	1,361	4,100	129	Trans. equip.; food; mach., exc. electrical. 54
11	127	8	78	310	638	29	Stone, clay, glass products; chemicals; food. 55
2,013	25,030	1,328	13,740	53,362	120,144	4,036	Transportation equipment; food; lumber. 56
242	3,188	163	1,810	7,270	17,038	813	Transportation equipment; lumber; food. 57
181	2,042	138	1,426	4,426	10,295	452	Lumber; food; paper. 58
1,558	19,450	1,004	10,287	40,536	90,195	2,597	Transportation equip.; food; electrical equip. 59
8	113	6	84	449	828	122	Food; paper; lumber. 60
24	237	17	133	672	1,788	52	Food; printing and publ.; stone, clay, glass prod. 61

<sup>4</sup> For definition, see footnote 6, table 1360.

<sup>5</sup> See footnote 4, table 1376.

**NO. 1378. PERCENT OF SHIPMENTS ACCOUNTED FOR BY LARGE MANUFACTURING COMPANIES, SELECTED INDUSTRIES: 1958 TO 1972**

[Prior to 1967, excludes Alaska and Hawaii. First 32 industries (excluding those classified as "Miscellaneous" or "Not elsewhere classified") as determined by value added by manufacture in 1972 of \$2 billion or more. Industry codes and descriptions are based on the 1972 *Standard Industrial Classification Manual* (SIC). Determination of company affiliation of establishment is based on census reports and publicly available records; "Largest" companies are determined by each company's value added by manufacture in the specified industry. Industries in the "not elsewhere classified" category are omitted, regardless of their value added.]

In- du- stry code <sup>1</sup>	INDUSTRY AND YEAR	Num- ber of com- panies	Value added by man- ufac- ture <sup>2</sup> (mil. dol.)	VALUE OF SHIPMENTS				
				Total <sup>3</sup> (mil. dol.)	Percent of total, ranked by company size			
					4 larg- est	8 larg- est	20 larg- est	50 larg- est
3711	Motor vehicles and car bodies.....	1967..	107	7,354	27,296	92	98	99+
		1972..	165	11,783	42,906	93	99	99+
3312	Blast furnaces and steel mills.....	1958..	148	6,062	13,423	4 53	4 70	4 84
		1963..	161	7,506	16,418	51	70	86
		1967..	200	8,910	19,621	48	66	83
		1972..	245	10,305	23,947	45	65	84
3714	Motor vehicle parts and accessories.....	1967..	1,424	5,712	11,824	60	68	78
		1972..	1,748	9,165	18,334	61	69	78
2711	Newspapers.....	1958..	7,947	2,517	3,616	17	24	35
		1963..	7,982	3,202	4,484	15	22	36
		1967..	7,589	4,184	5,757	16	25	40
		1972..	7,461	6,220	8,263	17	28	43
3662	Radio and TV communications equip.....	1963..	1,001	4,328	7,146	29	45	69
		1967..	1,111	5,456	8,556	22	37	61
		1972..	1,524	5,803	9,140	19	33	58
2834	Pharmaceutical preparations.....	1958..	1,064	1,887	2,533	27	45	73
		1963..	944	2,596	3,314	22	38	72
		1967..	791	3,720	4,996	24	40	73
		1972..	680	5,640	7,150	26	44	75
3721	Aircraft.....	1958..	5 113	3,399	5,363	59	83	99+
		1963..	82	3,543	6,317	59	83	99+
		1967..	91	5 448	11,080	69	89	99+
		1972..	141	5,083	8,779	66	86	99
2911	Petroleum refining.....	1958..	289	2,119	14,106	32	55	82
		1963..	266	3,137	16,497	34	56	82
		1967..	276	4,745	20,294	33	57	84
		1972..	152	4,595	25,321	31	56	84
3861	Photographic equipment and supplies.....	1958..	450	789	1,134	65	74	85
		1963..	499	1,270	1,851	63	76	86
		1967..	505	2,481	3,665	69	81	89
		1972..	555	4,088	5,624	74	85	92
2051	Bread, cake, and related products.....	1958..	5,305	2,112	3,670	22	33	42
		1963..	4,339	2,404	4,506	23	35	45
		1967..	3,445	2,783	5,103	26	38	47
		1972..	2,800	3,518	6,132	29	39	50
3585	Refrigeration and heating equipment.....	1963..	655	893	(N/A)	25	39	58
		1967..	624	1,480	(N/A)	31	45	62
		1972..	655	3,517	7,084	40	53	70
3573	Electronic computing equipment.....	1967..	134	1,926	3,771	66	83	92
		1972..	518	3,419	6,471	51	63	78
2752	Commercial printing, lithographic.....	1963..	6,738	1,392	2,150	6	10	16
		1967..	6,718	1,898	3,139	5	8	15
		1972..	8,160	3,155	5,125	4	8	15
3531	Construction machinery.....	1963..	561	1,301	2,696	42	53	70
		1967..	578	2,506	4,138	41	53	72
		1972..	644	3,131	6,091	43	54	72
3011	Tires and inner tubes.....	1963..	105	1,322	2,950	70	89	97
		1967..	119	1,823	3,734	70	88	97
		1972..	136	3,071	5,747	73	90	98
2011	Meatpacking plants.....	1958..	2,646	1,677	(N/A)	4 34	4 46	4 57
		1963..	2,833	1,908	12,435	31	40	49
		1967..	2,529	2,221	15,576	26	39	49
		1972..	2,293	2,968	23,003	22	37	51
3761	Guided missiles and space vehicles.....	1967..	(N/A)	3,339	4,641	(N/A)	(N/A)	(N/A)
		1972..	23	2,949	4,124	62	88	100
2621	Papermills, exc. building paper.....	1963..	186	1,857	3,825	26	42	63
		1967..	203	2,356	4,844	28	43	65
		1972..	194	2,909	6,385	24	40	66

See footnotes at end of table.

## Shipments of Large Manufacturing Companies

809

## No. 1378. PERCENT OF SHIPMENTS ACCOUNTED FOR BY LARGE MANUFACTURING COMPANIES, SELECTED INDUSTRIES: 1958 TO 1972—Continued

[See headnote, p. 808]

Industry code <sup>1</sup>	INDUSTRY AND YEAR	Number of companies	Value added by manufacture <sup>2</sup> (mil. dol.)	VALUE OF SHIPMENTS					
				Total <sup>3</sup> (mil. dol.)	Percent of total, ranked by company size				
					4 largest	8 largest	20 largest	50 largest	
2421	Sawmills and planing mills, general	1963	11,931	1,376	3,156	11	14	20	29
		1967	10,016	1,556	3,506	11	15	22	31
		1972	7,664	2,907	6,421	18	23	33	45
2844	Toilet preparations	1958	721	607	997	29	45	70	87
		1963	873	1,283	1,793	38	52	75	90
		1967	628	1,731	2,516	38	52	74	90
		1972	593	2,834	4,053	38	53	74	91
3465	Automotive stampings	1972	388	2,664	5,286	69	72	79	87
3661	Telephone, telegraph apparatus	1958	44	750	(NA)	492	496	499+	(NA)
		1963	65	1,014	1,736	92	96	99	99+
		1967	82	1,537	2,591	92	96	99	99+
		1972	157	2,650	4,525	(D)	(D)	98	99+
2026	Fluid milk	1958	5,008	1,991	5,802	23	29	37	45
		1963	4,030	2,203	7,026	23	30	40	48
		1967	2,988	2,351	7,826	22	30	42	51
		1972	2,024	2,552	9,396	18	26	42	56
2086	Bottled and canned soft drinks	1958	3,989	845	1,435	11	15	22	28
		1963	3,569	1,233	2,211	12	17	24	34
		1967	3,057	1,679	3,173	13	20	28	38
		1972	2,271	2,387	5,454	14	21	32	44
3321	Gray iron foundries <sup>7</sup>	1958	1,199	811	1,435	24	33	47	61
		1963	1,062	1,169	1,985	28	37	51	65
		1967	989	1,543	2,638	27	36	50	64
		1972	893	2,257	3,877	34	45	58	71
3523	Farm machinery and equipment	1963	1,481	(NA)	2,842	43	55	67	77
		1967	1,626	2,042	4,300	44	56	68	77
		1972	1,465	2,248	4,530	47	61	69	78
		1958	12	\$ 1,059	\$ 2,159	79	99+	100	(X)
2111	Cigarettes	1963	7	\$ 1,310	\$ 2,655	80	100	(X)	(X)
		1967	8	\$ 1,640	\$ 3,045	81	100	(X)	(X)
		1972	13	\$ 2,188	\$ 3,745	84	(D)	100	(X)
		1972	193	2,161	4,478	27	41	65	90
2821	Plastics materials and resins	1958	2,245	933	1,651	31	41	55	69
		1963	2,562	1,349	2,296	28	42	59	73
		1967	2,430	1,869	3,096	24	37	56	72
		1972	2,451	2,110	3,511	26	38	54	69
2824	Organic fibers, noncellulosic	1963	14	922	1,403	94	99	100	(X)
		1967	22	1,252	2,033	84	94	(D)	100
		1972	36	2,040	3,630	74	91	99+	100
2841	Soap and other detergents	1963	641	1,137	2,128	72	80	88	93
		1967	599	1,404	2,593	70	78	86	92
		1972	577	2,039	3,394	62	74	85	92
2751	Commercial printing, letterpress	1963	11,979	(NA)	2,645	13	19	28	38
		1967	11,955	(NA)	3,256	14	21	29	39
		1972	13,040	2,015	3,292	14	19	26	35

<sup>D</sup> Withheld to avoid disclosure. <sup>NA</sup> Not available <sup>X</sup> Not applicable.<sup>1</sup> Standard Industrial Classification code.<sup>2</sup> Derived by subtracting total cost of materials, supplies, fuel, electric energy, cost of resales, and contract work done by others from value of shipments including resales, and other receipts and adjusting resulting amount by net change in finished products and work-in-process inventories between beginning and end of year.<sup>3</sup> Comprises for all manufacturing establishments classified in an industry value of (a) products primary to the industry, (b) secondary products which are primary to other industries, (c) miscellaneous receipts such as those for contract and commission work on materials owned by others, scrap, salable refuse, repair, etc., and (d) resales, i.e., products resold in the same condition as bought.<sup>4</sup> Percent computed on value added, as there was substantial duplication in data for value of shipments.<sup>5</sup> A number of small establishments were misclassified into this industry affecting the number of companies, but having no appreciable effect on value or percentage of shipments.<sup>6</sup> Value of work done reported instead of value of shipments; therefore, value added not adjusted for inventory change.<sup>7</sup> Includes foundries producing gray-iron castings for other plants of the same company. Accordingly, percentages do not reflect market shares in industry as such.<sup>8</sup> Value of production reported instead of value of shipments; therefore, formula for computing adjusted value added modified to include only changes in work-in-process inventories between beginning and end of year.Source: U.S. Bureau of the Census, *Census of Manufactures, 1972, Concentration Ratios in Manufacturing, MC72 (SR)-2*.

## NO. 1379. MANUFACTURES—SUMMARY, BY EMPLOYEE SIZE-CLASS: 1954 TO 1972

ITEM AND YEAR	All estab- lish- ments	EMPLOYEE SIZE-CLASS OF ESTABLISHMENTS									
		Total					Percent distribution				
		Under 20	20– 99	100– 249	250– 999	1,000 and over	Under 20	20– 99	100– 249	250– 999	1,000 and over
Establishments (1,000): <sup>1</sup>											
1954	287	196	64	16	9	2	68.4	22.3	5.5	3.1	.7
1958	299	203	68	17	10	2	68.1	22.8	5.4	3.0	.7
1963	307	207	70	18	10	2	67.6	22.9	5.7	3.2	.6
1967	306	199	74	20	11	2	65.0	24.2	6.5	3.6	.7
1972	313	203	76	21	12	2	64.9	24.3	6.7	3.8	.6
Employees (1,000): <sup>1</sup>											
1954	15,646	1,196	2,835	2,430	4,082	5,103	7.7	18.1	15.5	26.0	32.6
1958	15,423	1,202	2,056	2,503	4,055	4,707	7.8	19.2	16.2	26.3	30.5
1963	16,235	1,175	3,072	2,727	4,312	4,951	7.3	18.9	16.8	26.5	30.5
1967	18,492	1,042	3,276	3,069	5,042	6,062	5.6	17.7	16.6	27.3	32.8
1972	18,032	1,114	3,356	3,232	5,155	5,175	6.2	18.6	17.9	28.6	28.7
Payroll (mil. dol.): <sup>1</sup>											
1954	62,963	3,765	10,246	9,171	16,264	23,516	6.0	16.3	14.6	25.9	37.3
1958	73,875	4,650	12,475	10,963	18,935	26,862	6.3	16.9	14.8	25.6	36.3
1963	93,289	5,502	15,191	13,926	23,740	34,772	6.0	16.3	15.0	25.5	37.3
1967	123,481	6,080	19,205	18,172	31,688	48,355	4.9	15.6	14.7	25.7	39.1
1972	160,414	8,645	25,787	25,348	43,348	57,286	5.4	16.1	15.8	27.0	35.7
Value added by manu- facture (mil. dol.): <sup>2</sup>											
1954	116,848	7,207	18,013	17,143	31,286	43,199	6.1	15.4	14.7	26.8	37.0
1958	141,541	9,214	23,113	21,216	37,502	50,495	6.5	16.3	15.0	26.5	35.7
1963	192,102	11,310	30,073	28,826	51,064	71,056	5.9	15.6	15.0	26.5	36.9
1967	261,984	13,271	39,138	38,922	71,036	99,617	5.1	14.9	14.9	27.1	38.0
1972	353,973	19,127	54,870	56,467	99,923	123,586	5.4	15.5	16.0	28.2	34.9
Capital expenditures, new (mil. dol.): <sup>2</sup>											
1954	8,201	4,870	1,023	1,111	2,052	3,144	10.6	12.5	13.5	25.0	38.3
1958	9,544	4,352	1,251	1,159	2,308	3,474	14.2	13.0	12.2	24.2	36.4
1963	11,371	4,215	1,783	1,603	2,675	4,133	10.7	15.7	14.1	23.4	36.3
1967	21,503	4,186	2,730	2,996	5,713	8,204	8.6	12.7	13.9	26.6	38.2
1972	24,073	4,412	3,866	3,853	6,551	8,391	5.9	16.1	16.0	27.2	34.9

<sup>1</sup> Excludes administrative offices and auxiliary units.<sup>2</sup> Individual size-class data do not add to total because they were derived from separate tabulations.<sup>3</sup> For definition, see footnote 6, table 1380. <sup>4</sup> Includes expenditures for plants under construction and not yet in operation. These establishments are included in the "1 to 4 employees" category.Source: U.S. Bureau of the Census, *Census of Manufactures, 1967, Size of Establishments*, MC67(1)-2, and *Census of Manufactures, 1972, General Summary*, MC72(1)-1.

## NO. 1380. PERCENT SHARE OF VALUE ADDED BY MANUFACTURE FOR LARGEST COMPANIES IN MANUFACTURING, 1947 TO 1972, AND OF SHIPMENTS AND EMPLOYEES, 1972

[Companies ranked on value added by manufacture; companies in each group are not identical for all years. See also *Historical Statistics, Colonial Times to 1970*, series P 177-180]

ITEM	1947	1954	1963	1967	1970	1972		
						Value added	Ship- ments, value <sup>1</sup>	Employ- ment <sup>2</sup>
Largest 50 companies	17	23	25	25	24	25	24	17
Largest 100 companies	23	30	33	33	33	33	32	23
Largest 150 companies	27	34	37	38	38	39	38	28
Largest 200 companies	30	37	41	42	43	43	43	31

<sup>1</sup> Includes substantial duplication since output of some establishments is used as materials by others.<sup>2</sup> Includes central administrative offices and auxiliaries.Source: U.S. Bureau of the Census, *Annual Survey of Manufactures, 1970, Value of Shipment Concentration Ratios*, M70(AS)-9, and *Census of Manufactures, 1972, Concentration Ratios in Manufacturing*, MC72(SR)-2.

# Beverage Industry

811

## No. 1381. BEVERAGE INDUSTRY—SUMMARY: 1965 TO 1975

YEAR AND ITEM	Total	Malt beverages	Malt	Wines, brandy, spirits	Distilled liquor, exc. brandy	Soft drinks (bottled, canned)	Flavoring, extracts, sirups
1965: Employees.....	1,000	211	61	2	6	19	114
Payroll.....	mil. dol.	1,348	483	16	42	126	614
Value added by manufacture.....	mil. dol.	4,151	1,360	51	167	713	1,373
Value of shipments.....	mil. dol.	7,728	2,497	204	396	1,288	2,505
1970: Employees.....	1,000	228	57	2	9	21	129
Payroll.....	mil. dol.	1,884	616	19	71	171	916
Value added by manufacture.....	mil. dol.	6,144	2,028	58	258	887	2,121
Value of shipments.....	mil. dol.	12,373	3,822	210	591	1,758	4,631
1972: Employees.....	1,000	212	52	2	9	18	121
Payroll.....	mil. dol.	2,033	663	20	92	183	984
Value added by manufacture.....	mil. dol.	6,689	1,994	55	408	1,024	2,387
Value of shipments.....	mil. dol.	13,869	4,054	226	865	1,798	5,454
1975: Employees.....	1,000	205	50	2	11	16	116
Payroll.....	mil. dol.	2,444	764	24	131	198	1,198
Value added by manufacture.....	mil. dol.	8,258	2,062	122	640	1,084	3,263
Value of shipments.....	mil. dol.	20,603	5,744	591	1,376	2,020	8,508

Source: U.S. Bureau of the Census, *Annual Survey of Manufactures*.

## No. 1382. ALCOHOLIC BEVERAGES—SUMMARY: 1960 TO 1976

[For years ending June 30. Includes Puerto Rico. Excludes imports. See *Historical Statistics, Colonial Times to 1970*, series P 235 for beer production, and P 236a for distilled spirits]

ITEM	Unit	1960	1965	1970	1972	1973	1974	1975	1976
<b>Beer:</b>									
Breweries operated.....	Number	229	197	154	139	129	118	117	96
Production.....	Mil. bbl. <sup>1</sup>	95	108	135	140	143	163	158	161
Tax-paid withdrawals.....	Mil. bbl. <sup>1</sup>	89	100	123	131	134	142	147	149
Stocks on hand, June 30.....	Mil. bbl. <sup>1</sup>	11	13	15	14	14	14	14	14
Per capita consumption <sup>2</sup> .....	Gallons	24.02	25.46	28.55	29.43	29.68	31.02	32.77	31.58
Of domestic output.....	Gallons	23.91	25.29	28.35	29.23	29.45	30.75	32.43	31.09
<b>Distilled spirits:</b>									
Production facilities operated.....	Number	178	153	140	121	115	120	115	105
Warehouses operated.....	Number	241	268	274	271	262	255	241	231
Production, total <sup>3</sup> .....	Mil. tax gal. <sup>4,5</sup>	273	276	355	283	282	258	278	234
Whiskey.....	Mil. tax gal. <sup>4,5</sup>	150	118	160	126	112	93	50	79
Tax-paid withdrawals, total <sup>6</sup> .....	Mil. tax gal. <sup>4,5</sup>	178	205	256	282	283	292	295	304
Whisky.....	Mil. tax gal. <sup>4,5</sup>	84	90	112	121	136	138	137	135
Stocks on hand, June 30, total <sup>2</sup> .....	Mil. tax gal. <sup>4,5</sup>	932	990	1,091	1,032	985	933	836	766
Whisky.....	Mil. tax gal. <sup>4,5</sup>	814	841	960	958	926	876	780	723
Bottled for consumption, total.....	Mil. wine gal. <sup>7</sup>	204	244	312	335	337	349	357	369
Whisky.....	Mil. wine gal. <sup>7</sup>	147	161	192	196	188	184	182	179
Per capita consumption <sup>2</sup> .....	Wine gal. <sup>7</sup>	1.87	2.13	2.61	2.84	2.81	2.89	2.49	2.36
Of domestic output.....	Wine gal. <sup>7</sup>	1.54	1.66	1.91	2.02	2.00	2.03	1.75	1.61
<b>Still wines:</b>									
Production <sup>8</sup> .....	Mil. wine gal. <sup>7</sup>	511	565	713	796	599	848	782	768
Tax-paid withdrawals <sup>9</sup> .....	Mil. wine gal. <sup>7</sup>	148	163	204	261	275	274	287	303
Stocks on hand, June 30 <sup>10</sup> .....	Mil. wine gal. <sup>7</sup>	143	157	207	282	287	307	325	325
Per capita consumption <sup>2</sup> .....	Wine gal. <sup>7</sup>	1.36	1.44	1.70	2.16	2.31	2.26	2.20	2.29
Of domestic output.....	Wine gal. <sup>7</sup>	1.28	1.32	1.52	1.88	1.95	1.91	1.96	1.98
<b>Effervescent wines: <sup>11</sup></b>									
Production.....	Mil. wine gal. <sup>7</sup>	4.1	6.4	20.0	22.9	20.4	20.8	18.0	20.2
Tax-paid withdrawals.....	Mil. wine gal. <sup>7</sup>	3.3	5.7	17.1	20.7	19.7	18.7	17.6	18.8
Stocks on hand, June 30.....	Mil. wine gal. <sup>7</sup>	2.7	3.6	8.1	9.6	9.2	9.5	9.0	9.4
Per capita consumption <sup>2</sup> .....	Wine gal. <sup>7</sup>	.04	.06	.15	.16	.15	.14	.13	.14
Of domestic output.....	Wine gal. <sup>7</sup>	.03	.05	.18	.15	.14	.13	.12	.12

<sup>1</sup> Barrels of 31 wine gallons (see footnote 7).

<sup>2</sup> Source: U.S. Bureau of Domestic Commerce. Based on U.S. Bureau of the Census estimated population 18 years old and over, as of Jan. 1, including Armed Forces abroad.

<sup>3</sup> Excludes alcohol produced for industrial use.

<sup>4</sup> A tax gallon for spirits of 100 proof or over is equivalent to the proof gallon; for spirits of less than 100 proof to the wine gallon. (See footnotes 5 and 7).

<sup>5</sup> A proof gallon is the alcoholic equivalent of a U.S. gallon at 60° F., containing 50 percent of ethyl alcohol by volume. <sup>6</sup> Includes ethyl alcohol.

<sup>7</sup> A wine gallon is the U.S. gallon equivalent to the volume of 231 cubic inches.

<sup>8</sup> Production represents total amount removed from fermenters, including distilling material, and, beginning 1970, includes increase after fermentation (by amelioration, sweetening, and addition of wine spirits). In 1972, 407 million gallons of distilling materials were produced; 1973, 268 million gal.; 1974, 389 million gal.; 1975, 359 million gal.; and 1976, 369 million gal. <sup>9</sup> Includes special natural wines. <sup>10</sup> Excludes distilling materials.

<sup>11</sup> Includes champagne, other effervescent wines, and artificially carbonated wines.

Source: Except as noted, U.S. Bureau of Alcohol, Tobacco, and Firearms, *Alcohol and Tobacco Summary Statistics*, annual.

## NO. 1383. TOBACCO PRODUCTS—PRODUCTION AND CONSUMPTION: 1950 TO 1976

(Beginning 1960, production data are for years ending June 30. Excludes cigars produced in customs bonded manufacturing warehouses. See also *Historical Statistics, Colonial Times to 1970*, series P 239-241)

ITEM	1950	1955	1960	1965	1970	1972	1973	1974	1975	1976
<b>PRODUCTION</b>										
Cigarettes <sup>1</sup> ..... billions	392	412	506	562	562	593	616	652	627	688
Cigars <sup>1</sup> ..... billions	5.5	5.8	6.9	8.9	8.0	8.0	11.4	8.7	8.3	6.7
Tobacco <sup>2</sup> ..... mil. lb.	235	198	176	189	164	157	149	152	155	153
<b>PER CAPITA CONSUMPTION<sup>3</sup></b>										
All products..... pounds <sup>4</sup>	12.29	11.99	11.82	11.51	9.63	9.65	9.53	9.40	9.14	8.78
Cigarettes..... thousands	3.5	3.6	4.2	4.3	4.0	4.1	4.1	4.1	4.1	4.1
Weight..... pounds <sup>4</sup>	9.54	9.49	9.04	9.37	7.78	7.95	7.92	7.90	7.73	7.44
Cigars <sup>4</sup> ..... number	53	55	61	70	60	52	49	44	39	36
Weight..... pounds <sup>4</sup>	1.25	1.28	1.18	1.24	1.00	.88	.77	.70	.63	.57
Tobacco <sup>2</sup> ..... pounds <sup>4</sup>	1.50	1.22	.99	.88	.83	.79	.75	.75	.72	.73

<sup>1</sup> Large and small. Source: U.S. Bureau of Alcohol, Tobacco, and Firearms, *Alcohol and Tobacco Summary Statistics*, annual. <sup>2</sup> Smoking and chewing tobaccos and snuff. Source: U.S. Dept. of Agriculture, Agricultural Marketing Service, *Manufacture and Sales of Snuff, Smoking, and Chewing Tobacco*, quarterly. <sup>3</sup> Based on U.S. Bureau of the Census estimated population 18 years old and over, as of July 1, including Armed Forces abroad. 1976 data preliminary. <sup>4</sup> Unstemmed processing weight equivalent. <sup>5</sup> Weighing over 3 pounds per 1,000.

Source: Except as noted, U.S. Dept. of Agriculture, Economic Research Service, *Tobacco Situation*.

## NO. 1384. MILL CONSUMPTION OF NATURAL AND MAN-MADE FIBERS: 1950 TO 1976

(Totals in millions of pounds; per capita in pounds. Prior to 1960, excludes Alaska and Hawaii. Per capita figures based on U.S. Bureau of the Census population estimates as of July 1, including Armed Forces abroad. See *Historical Statistics, Colonial Times to 1970*, series P 229 and P 230, for wool and silk)

YEAR	COTTON <sup>1</sup>		WOOL (scoured basis) <sup>2</sup>				MAN-MADE FIBERS				FLAX		SILK	
			Total	Per capita	Total	Per capita	Total	Per capita	Total	Per capita				
	Total	Per capita	Total	Per capita	Total	Per capita	Total	Per capita	Total	Per capita	Total	Per capita	Total	Per capita
1950.....	4,683	30.9	635	4.2	1,350	8.9	141	.9	11	.07	11	.07		
1955.....	4,382	26.5	414	2.5	1,419	8.6	432	2.6	8	.05	11	.07		
1960.....	4,234	23.4	411	2.3	1,055	5.8	762	4.2	5	.03	7	.04		
1965.....	4,522	23.2	387	2.0	1,550	8.0	1,962	10.1	8	.04	6	.03		
1970.....	3,854	18.8	240	1.2	1,414	6.9	3,949	19.3	6	.03	2	.01		
1971.....	3,986	19.3	191	.9	1,486	7.2	4,859	23.5	6	.03	2	.01		
1972.....	3,864	18.5	219	1.0	1,413	6.8	5,951	28.5	6	.03	2	.01		
1973.....	3,658	17.4	151	.7	1,390	6.6	7,052	33.5	7	.03	3	.01		
1974.....	3,309	15.6	93	.4	1,111	5.2	6,390	30.2	7	.02	3	.01		
1975.....	3,027	14.2	110	.5	801	3.8	6,410	30.0	3	.01	1	.01		
1976, pre.....	3,414	15.9	122	.6	862	4.0	6,974	32.4	4	.02	3	.01		

<sup>1</sup> Reported by U.S. Bureau of the Census. For American cotton, tare as reported by Crop Reporting Board is deducted. For foreign cotton, 15 pounds deducted, 1950-1965; 20 pounds thereafter.

<sup>2</sup> Reported by U.S. Bureau of the Census. Excludes consumption in cotton and other spinning systems and consumption in batting and felt manufacture. <sup>3</sup> From *Textile Organon*. Represents domestic shipments plus imports for consumption. Includes textile glass-fiber and producers waste consumed at mills.

Source: U.S. Dept. of Agriculture, Economic Research Service, *Cotton and Wool Situation*, April 1977. (1950 data in U.S. Bureau of Domestic Commerce, *Wool and Man-Made Fibers in the United States*.)

## NO. 1385. BLEACHED, DYED, OR PRINTED GOODS—PRODUCTION, BY TYPE: 1950 TO 1975

[In millions of linear yards. Excludes Alaska and Hawaii. Fabrics are classified by chief fiber content]

PRODUCT	1950	1955	1960	1965	1970	1971	1972	1973	1974	1975
Total goods.....	9,329	10,502	9,559	10,988	9,718	9,748	10,157	9,728	8,351	8,034
Cotton.....	7,063	8,144	7,440	7,710	5,229	5,233	5,116	4,479	3,614	3,474
Manmade fiber fabrics and silk <sup>1</sup> .....	2,286	2,358	2,119	3,278	4,489	4,515	5,041	5,249	4,738	4,560
Bleached and white finished <sup>2</sup> .....	5,250	5,315	4,975	6,354	6,095	5,817	6,057	5,773	5,197	4,748
Cotton.....	3,298	3,346	3,158	3,514	2,436	2,317	2,292	2,008	1,778	1,627
Manmade fiber fabrics and silk <sup>12</sup> .....	1,954	1,969	1,817	2,840	3,659	3,600	3,765	3,765	3,419	3,121
Plain dyed and finished goods, cotton.....	2,166	2,671	2,516	2,722	1,760	1,773	1,808	1,578	1,205	1,193
Printed and finished goods <sup>3</sup> .....	1,912	2,514	2,068	1,912	1,862	2,157	2,292	2,377	1,949	2,094
Cotton.....	1,601	1,766	1,766	1,474	1,032	1,142	1,016	893	630	655
Manmade fiber fabrics and silk <sup>1</sup> .....	311	389	302	438	830	1,015	1,276	1,484	1,319	1,439

<sup>1</sup> Fabrics made of rayon, acetate, nylon, silk, glass, acrylic fibers, etc. <sup>2</sup> Includes plain dyed manmade fibers.

<sup>3</sup> Includes roller, screen, and block printed; excludes printed towels, tablecloths, flock, plisse, moire, or embossed.

Source: U.S. Bureau of the Census, *Current Industrial Reports*, series MA-228.

## No. 1386. COTTON—SPINDLES, CONSUMPTION, AND STOCKS: 1950 TO 1976

[For years ending July 31. Excludes Alaska and Hawaii. Consumption and stocks are expressed in running bales, counting round as half bales, except foreign cotton which is in equivalent 500-pound bales. See *Historical Statistics, Colonial Times to 1970*, series P 228, for total cotton consumed including linters]

YEAR	COTTON-SYSTEM SPINDLES (1,000)				Spindle hours consuming 100% cotton (bil.)	COTTON CONSUMED <sup>3</sup> (1,000 bales)			STOCKS AT END OF YEAR (1,000 bales)			
	Total in place <sup>1</sup>	Total active <sup>2</sup>	Cotton-growing States	Other States		Total	Cotton-growing States	Other States	Total <sup>4</sup>	Domestic <sup>4</sup>	Foreign <sup>4</sup>	Linters <sup>5</sup>
1950.....	22,995	21,790	17,673	4,117	100	8,851	8,030	821	6,496	6,399	97	208
1955.....	22,273	20,716	18,230	2,486	113	8,841	8,358	484	10,985	10,920	65	148
1960.....	19,956	19,221	17,801	1,420	113	9,017	8,670	346	7,344	7,307	37	305
1965.....	19,332	18,757	18,114	643	102	9,171	9,068	203	14,061	13,994	67	463
1970.....	19,860	19,056	18,653	403	74	7,965	7,840	125	5,400	5,373	27	342
1971.....	19,231	18,452	18,133	319	70	8,068	7,980	88	3,852	3,837	15	413
1972.....	19,104	18,301	18,003	298	70	8,039	7,958	81	3,154	3,130	24	362
1973.....	19,172	17,833	17,564	269	66	7,568	7,488	80	3,029	3,016	13	289
1974.....	18,765	17,942	17,706	236	61	7,150	7,078	72	3,743	3,730	11	294
1975.....	18,274	16,812	16,685	127	44	5,004	5,546	58	5,205	5,188	17	486
1976.....	18,021	17,029	16,904	125	51	6,965	6,916	49	3,444	3,395	48	444

<sup>1</sup> All spindles in place regardless of fiber spun.

<sup>2</sup> Active last day of year, regardless of type of fiber spun. On July 31, 1976, there were 7,744,000 spindles active on cotton, 9,285,000 on synthetics and other fibers and blends, and 992,000 idle.

<sup>3</sup> Excludes linters. Includes foreign and domestic cotton. <sup>4</sup> Excludes linters. Includes stocks at public storage and compresses. <sup>5</sup> Stocks held by consuming establishments.

Source: U.S. Bureau of the Census, *Cotton Production and Distribution*, annual, and *Current Industrial Reports*, series M22P.

## No. 1387. BROAD-WOVEN FABRICS—PRODUCTION, BY TYPE: 1960 TO 1976

[In millions of linear yards; in terms of gray goods except woolen and worsted, which are in terms of finished yardage. Excludes Alaska and Hawaii. Fabrics classified according to primary fiber content, except as noted]

PRODUCT	1960	1965	1970	1972	1973	1974	1975	1976 <sup>1</sup>
<b>Total goods.....</b>	<b>12,056</b>	<b>13,432</b>	<b>11,453</b>	<b>11,299</b>	<b>11,301</b>	<b>10,718</b>	<b>9,452</b>	<b>10,659</b>
<b>Cotton woven goods over 12 in. in width<sup>2</sup>.....</b>	<b>9,366</b>	<b>9,238</b>	<b>6,246</b>	<b>5,666</b>	<b>5,086</b>	<b>4,714</b>	<b>4,095</b>	<b>4,474</b>
Cotton duck.....	206	248	208	151	157	145	120	126
Sheeting, allied coarse, medium yarn fabrics.....	2,482	2,635	1,804	1,501	1,253	1,116	880	906
Print cloth yarn fabrics.....	3,320	3,120	2,392	2,136	1,968	1,868	1,451	1,587
Napped fabrics.....	202	176	132	135	124	122	98	112
Carded colored yarn fabrics.....	449	479	389	473	482	511	681	761
Fine cotton goods <sup>3</sup> .....	1,706	1,405	313	173	130	106	91	130
Towels, toweling, washcloths, and terry-woven fabrics other than towels.....	548	713	566	590	553	516	454	486
Specialties and all other fabrics.....	452	463	443	507	420	330	319	364
<b>Manmade fiber fabrics.....</b>	<b>(4)</b>	<b>3,926</b>	<b>5,028</b>	<b>5,531</b>	<b>6,109</b>	<b>5,923</b>	<b>5,278</b>	<b>6,088</b>
100 percent filament yarn fabrics.....	(4)	1,641	1,461	1,723	1,895	1,963	1,688	1,993
Chiefly rayon and/or acetate fabrics.....	(4)	856	840	506	473	432	325	379
Chiefly nylon fabrics.....	(4)	304	271	377	366	346	279	360
All other filament yarn fabrics.....	(4)	481	550	840	1,056	1,185	1,084	1,254
100 percent spun yarn fabrics <sup>6</sup> .....	(4)	1,535	2,872	3,062	3,527	3,309	3,036	3,486
100 percent rayon and/or acetate fabrics <sup>6</sup> .....	(4)	643	445	428	435	295	172	184
Polyester blends with cotton.....	(4)	714	1,963	2,190	2,514	2,381	2,360	2,710
All other spun yarn fabrics.....	(4)	178	464	444	578	633	504	592
Combinations and mixtures of filament and spun yarn fabrics.....	(4)	519	473	516	475	330	257	322
Blanketing, silk, paper, specialty fabrics.....	(4)	232	222	230	212	322	297	287
<b>Woolen and worsted, except woven felts.....</b>	<b>286</b>	<b>267</b>	<b>178</b>	<b>102</b>	<b>106</b>	<b>81</b>	<b>79</b>	<b>97</b>
Apparel fabrics <sup>7</sup> .....	281	258	172	96	100	73	69	80
Men's and boys' clothing.....	115	95	74	34	36	28	27	37
Women's and children's clothing.....	163	157	92	62	63	45	43	43
Nonapparel fabrics.....	6	9	7	6	6	8	9	17

<sup>1</sup> Preliminary. <sup>2</sup> Excludes tire fabrics. <sup>3</sup> All combed, part combed, and fine carded. <sup>4</sup> Not available on comparable basis due to change in fabric classification. <sup>5</sup> Except blanketing. <sup>6</sup> Includes rayon and/or acetate blends from other fiber. <sup>7</sup> Includes government orders, not shown separately.

Source: U.S. Bureau of the Census, *Current Industrial Reports*, series M-Q-22T.

## Manufactures

## NO. 1388. WOOL—PRODUCTION, PRICE, AND SUPPLY: 1960 TO 1976

[In millions of pounds, except as indicated. Prior to 1965, excludes Alaska and Hawaii, except as noted. See *Historical Statistics, Colonial Times to 1970*, series K 559-560, for shorn wool production and price, and series P 229, for wool consumed in manufacturing.]

ITEM	1960	1965	1970	1972	1973	1974	1975	1976 <sup>1</sup>
Stocks of apparel wool, Jan. 1 <sup>2</sup> .....	101	73	75	69	57	41	(NA)	39
Sheep and lambs shorn.....	31	24	19	19	18	16	14	14
Weight per fleece.....	8.5	8.5	8.4	8.4	8.3	8.2	8.3	8.1
Shorn wool production (grease basis).....	265	201	162	159	145	133	120	110
Price per pound <sup>3</sup> .....	42.0	47.1	35.5	35.0	82.7	59.1	44.7	65.7
Pulled wool production (actual).....	34	23	15	10	8	6	5	4
Total wool production (grease basis).....	299	225	177	169	153	139	125	114
Wool, clean basis:								
Total production.....	145	113	88	82	75	68	61	61
Imports of dutiable wool <sup>4</sup> .....	74	163	80	25	18	12	17	38
Exports of apparel wool <sup>5</sup> .....	60	617	200	11,224	3,726	4,271	7,674	1,130
Total new supply <sup>6</sup> .....	320	349	243	176	150	121	(NA)	138
Imports of duty free wool <sup>4</sup> .....	154	109	73	72	40	15	17	19
Consumed in manufacturing, total <sup>7</sup> .....	411	387	240	219	151	94	110	122
Apparel class <sup>9</sup> .....	246	275	164	142	110	75	94	107
Carpet class.....	165	112	77	76	41	19	16	15
Woolen and worsted looms in place <sup>8</sup> .....	16,058	12,784	7,257	3,611	3,619	3,422	3,019	(NA)

NA. Not available. <sup>1</sup> Preliminary. <sup>2</sup> Scoured basis. <sup>3</sup> Weighted season average price received by farmers, 1960, April-March marketing season; thereafter, calendar year. <sup>4</sup> Imports for consumption. Dutiable imports include all apparel wool and duty-free imports include all carpet wool. <sup>5</sup> Beginning 1965, includes carpet wool. <sup>6</sup> Production, imports, and stock of apparel wool Jan. 1. <sup>7</sup> Scoured wool, plus greasy wool reduced to scoured basis. Wool regarded as suitable for apparel purposes; formerly "Combing and Clothing."

<sup>8</sup> Excludes Alaska and Hawaii.

<sup>9</sup> Includes raw wool consumed on woolen and worsted systems only.

Source: U.S. Dept. of Agriculture, Statistical Reporting Service. In *Agricultural Statistics*, annual. Exports and imports from U.S. Bureau of the Census.

## NO. 1389. KNIT CLOTH AND OUTERWEAR—PRODUCTION, BY TYPE: 1960 TO 1976

[See *Historical Statistics, Colonial Times to 1970*, series P 246, for finished knit cloth shipped]

PRODUCT	UNIT	1960	1965	1970	1971	1972	1973	1974	1975	1976 <sup>1</sup>
Knit fabric production <sup>2</sup> .....	Mil. lb.....	248	450	967	1,136	1,290	2,048	2,011	1,960	1,828
Warp knit.....	Mil. lb.....	82	164	383	423	347	411	425	428	387
Circular knit.....	Mil. lb.....	166	286	584	713	943	1,496	1,465	1,420	1,334
Knit garment length, trimming and collars.....	Mil. lb.....	(NA)	(NA)	(NA)	(NA)	(NA)	141	121	113	107
Knit outerwear:										
Sweaters, jackets, jerseys.....	Mil. doz.....	12.9	14.7	10.6	11.0	12.5	13.7	13.2	10.8	(NA)
Sport shirts.....	Mil. doz.....	22.1	22.8	22.4	30.8	40.8	42.8	47.8	42.5	(NA)

NA. Not available. <sup>1</sup> Preliminary.

<sup>2</sup> Data prior to 1973 represent knit cloth for sale. Beginning 1970, includes interplant transfers. Data account for approximately 5 percent of the warp knit fabrics and 10 percent of the circular knit fabrics.

Source: U.S. Bureau of the Census, *Current Industrial Reports*, series MQ-22K and MA-23A.

## NO. 1390. WOMEN'S, MISSES', AND JUNIORS' OUTERWEAR—SELECTED GARMENTS CUT: 1960 TO 1976

[See also *Historical Statistics, Colonial Times to 1970*, series P 243]

TYPE OF GARMENT	UNIT	1960	1965	1970	1971	1972	1973	1974	1975	1976 <sup>1</sup>
Blouses.....	Mil. dozen.....	15.6	19.0	13.3	12.6	15.9	17.0	17.2	18.3	17.1
Unit-priced dresses.....	Mil. units.....	155	178	159	147	156	147	129	115	117
Dozen-priced dresses.....	Mil. dozen.....	8.2	8.6	7.7	7.2	7.4	6.7	5.1	4.9	5.2
Suits.....	Mil. units.....	9.4	11.9	8.8	6.8	7.3	8.0	7.8	7.8	(NA)
Skirts.....	Mil. dozen.....	8.3	8.9	6.9	5.9	5.2	5.0	4.4	4.3	6.5
Untrimmed coats.....	Mil. units.....	21.0	19.1	17.0	15.8	28.7	22.9	20.5	18.4	19.6
Fur-trimmed coats.....	Mil. units.....	2.5	6.1	4.7	4.9	{ } 28.7				

NA. Not available. <sup>1</sup> Preliminary.

Source: U.S. Bureau of the Census, *Current Industrial Reports*, series MA-23A and M23H.

**NO. 1391. MEN'S AND BOYS' CLOTHING—SELECTED GARMENTS CUT: 1960 TO 1975**  
 [See *Historical Statistics, Colonial Times to 1970*, series P 242, for suits and separate coats combined]

TYPE OF GARMENTS	UNIT	1960	1965	1970	1971	1972	1973	1974	1975
Men's suits.....	Mil. units.....	21.3	21.9	17.7	16.5	18.7	16.7	16.8	13.0
Boys' suits <sup>2</sup> .....	Mil. units.....	5.1	6.6	4.7	3.8	3.5	3.0	2.9	1.2
Separate trousers (men's).....	Mil. units.....	100.3	142.3	173.6	183.7	186.6	171.1	156.6	117.2
Separate coats.....	Mil. units.....	14.2	16.3	16.1	18.5	24.3	25.3	21.1	12.2
Men's and youths'.....	Mil. units.....	10.2	12.3	11.8	14.4	21.3	21.3	18.6	10.6
Boys'.....	Mil. units.....	4.0	4.0	4.3	4.1	3.0	4.0	2.5	1.6
Woven shirts, men's <sup>4</sup> .....	Mil. dozen.....	23.2	28.2	20.8	20.8	22.0	20.1	20.4	18.3
Overalls <sup>4</sup> .....	Mil. dozen.....	7.5	10.6	17.9	19.6	22.9	23.1	22.0	22.0
Men's.....	Mil. dozen.....	3.0	4.9	11.8	12.9	15.4	16.2	15.1	15.0
Boys'.....	Mil. dozen.....	4.6	5.7	6.1	6.7	7.5	6.9	6.9	7.0
Work shirts (incl. flannels).....	Mil. dozen.....	3.8	4.0	4.1	4.1	4.5	4.1	3.4	2.9
Men's.....	Mil. dozen.....	3.7	3.9	4.0	4.1	4.5	4.0	3.3	2.8
Boys'.....	Mil. dozen.....	(Z)	.1	.1	(Z)	(Z)	(Z)	(Z)	(Z)

Z Less than 50,000 dozen. <sup>1</sup> Excludes leisure suits. <sup>2</sup> Beginning 1970, includes uniform suits and coats.

<sup>3</sup> Excludes leisure coats. <sup>4</sup> Includes dress and sport. <sup>5</sup> Includes jean-cut casual slacks.

Source: U.S. Bureau of the Census, *Current Industrial Reports*, series MA-23A and M23B.

**NO. 1392. HOSEYER—PRODUCTION, BY TYPE: 1960 TO 1976**

[In millions of dozens of pairs. Excludes Alaska and Hawaii. Excludes slipper socks]

TYPE	1960	1965	1970	1971	1972	1973	1974	1975	1976
All types.....	164.9	198.2	244.1	210.9	227.9	227.4	216.4	224.8	253.9
Women's.....	65.0	92.7	125.7	95.1	102.7	99.9	88.7	97.7	113.8
Pantyhose.....	(NA)	(NA)	88.4	65.6	80.9	75.0	60.0	61.3	70.4
Stockings.....	64.9	92.3	36.3	27.5	17.2	15.6	13.2	8.9	7.6
Knee-highs and anklets (sheer).....	.2	.4	1.0	2.1	4.6	9.3	15.5	27.6	35.9
Infants' and children's <sup>1</sup> <sup>2</sup> .....	17.8	18.8	20.6	20.1	21.7	22.7	22.1	22.0	27.7
Anklets.....	17.1	17.4	15.3	15.6	17.3	17.8	17.3	17.3	21.3
Knee-highs.....	.7	1.4	4.2	3.8	3.6	4.1	4.2	4.1	5.5
Girls', boys', and women's <sup>3</sup> .....	20.8	35.2	33.6	36.0	40.0	41.2	41.4	41.9	46.4
Foot socks.....	(NA)	.9	2.8	2.7	4.5	4.1	4.7	4.4	5.7
Anklets.....	19.4	28.9	20.4	21.3	21.3	22.2	20.7	20.7	21.3
Knee-highs.....	1.5	5.5	10.4	11.9	14.2	15.0	16.1	16.8	19.4
Men's (sizes 10 and up) <sup>2</sup> .....	51.2	51.6	64.2	59.7	63.5	63.7	64.2	63.2	66.0
Anklets.....	39.0	43.5	54.0	49.6	52.8	52.8	53.8	51.1	51.3
Mid-calf and knee-highs.....	(NA)	8.1	10.0	10.0	10.5	10.8	10.3	11.9	14.5

NA Not available. <sup>1</sup> Sizes 3-8½. <sup>2</sup> Beginning 1970, includes types not shown separately. <sup>3</sup> Sizes 8-11.

Source: National Association of Hosiery Manufacturers, Charlotte, N.C., *Hosiery Statistics*, annual. (Copyright.)

**NO. 1393. LEATHER—PRODUCTION, BY PRINCIPAL TYPES OF RAW STOCK: 1955 TO 1974**

[In thousands. Excludes Alaska and Hawaii]

ITEM	1955	1960	1965	1970	1971	1972	1973	1974
Cattle hides and side kips.....	25,832	21,969	23,436	20,353	20,477	20,084	17,768	16,829
Calf and whole kip skins.....	10,393	6,332	6,203	2,717	1,621	1,603	1,262	(NA)
Goat and kid skins.....	26,109	18,835	14,557	3,979	3,148	3,522	(NA)	(NA)
Sheep and lamb skins <sup>1</sup> .....	26,434	30,478	30,316	23,598	21,385	20,191	14,504	13,889

NA Not available. <sup>1</sup> Includes flesh side-leather of split sheepskins (fleshers); excludes grain leather (skivers).

Source: Tanner's Council of America, Inc., New York, N.Y.

**NO. 1394. SHOES AND SLIPPERS—PRODUCTION, BY CLASS: 1960 TO 1976**

[In millions of pairs. Excludes Alaska and Hawaii, except as noted. Excludes rubber footwear. 1976 preliminary.  
 See *Historical Statistics, Colonial Times to 1970*, series P 280-281, for men's and women's shoes]

CLASS	1960	1965	1970	1971	1972	1973	1974	1975	1976
Footwear, except slippers <sup>1</sup> .....	2,526.6	536.0	466.1	437.6	428.4	398.9	367.6	342.5	372.9
Shoes, sandals, playshoes.....	514.1	526.2	451.8	429.9	417.6	(NA)	(NA)	(NA)	(NA)
Men's, youths', boys'.....	124.7	143.8	143.5	139.8	149.9	140.9	128.0	121.2	127.1
Women's.....	279.8	280.0	230.2	207.1	193.2	179.3	167.1	154.1	168.7
Misses'.....	40.2	36.5	23.2	25.4	25.2	17.5	15.8	13.1	15.0
Children's.....	32.7	33.5	25.9	25.4	23.0	23.8	20.6	18.5	22.0
Infants' and babies'.....	36.6	32.5	29.0	28.2	26.3	25.2	23.8	24.2	25.8
Athletic shoes.....	7.0	7.0	9.0	8.4	8.7	9.7	9.9	7.9	10.5
Slippers for housewear.....	73.5	90.2	96.2	98.1	98.3	91.2	85.5	70.5	71.2

NA Not available. <sup>1</sup> Includes footwear not shown separately. <sup>2</sup> Includes Hawaii, not distributed by class.

Source: U.S. Bureau of the Census, *Current Industrial Reports*, series M31A.

## Manufactures

## NO. 1395. CHEMICALS—PRODUCTION, BY KIND: 1960 TO 1975

[Data for chemicals shown are restricted to a selected group composed for the most part of inorganic chemicals and related products which are sufficiently important economically to justify publication. Includes data for chemicals produced by Tennessee Valley Authority, and by Government-owned privately operated plants. See *Historical Statistics, Colonial Times to 1970*, series P 248, 249, and 251, for sodium hydroxide, ammonia (anhydrous), and sulfuric acid, respectively]

CHEMICAL	UNIT	1960	1965	1970	1973	1974	1975
Acetylene <sup>1</sup>	Mil. cu. ft.	12,143	16,650	14,834	8,278	7,807	6,697
Aluminum chloride:							
Anhydrous (100% AlCl <sub>3</sub> )	1,000 sh. tons	24	33	31	37	37	27
Liquid and crystal (32° Bé)	1,000 sh. tons	26	26	23	(D)	(D)	(D)
Aluminum sulfate (17% Al <sub>2</sub> O <sub>3</sub> ): <sup>2</sup>							
Commercial	1,000 sh. tons	879	1,063	1,191	1,252	1,278	1,163
Iron free	1,000 sh. tons	52	59	71	230	232	252
Ammonia, synthetic anhydrous	1,000 sh. tons	4,818	8,869	13,824	15,093	15,732	16,393
Ammonium nitrate, original solution (100% NH <sub>4</sub> NO <sub>3</sub> )	1,000 sh. tons	3,122	4,663	6,456	7,157	7,542	7,087
Ammonium sulfate, synthetic (technical) <sup>3</sup>	1,000 sh. tons	859	1,947	1,894	2,054	2,060	1,715
Argon (refined)	Mil. cu. ft.	570	1,286	2,742	4,382	4,688	4,457
Calcium carbide (commercial)	1,000 sh. tons	1,093	1,098	791	290	324	253
Calcium phosphate dibasic (100% CaHPO <sub>4</sub> )	1,000 sh. tons	235	283	594	540	611	522
Carbon, activated <sup>4</sup>	1,000 sh. tons	60	85	80	84	75	76
Carbon dioxide (liquid, gas, and solid) <sup>5</sup>	1,000 sh. tons	898	1,086	1,135	1,568	1,804	1,851
Chlorine, gas <sup>6</sup>	1,000 sh. tons	4,637	6,517	9,764	10,402	10,753	9,104
Chrome, yellow and orange (C.P.)	1,000 sh. tons	21	29	32	37	38	26
Chrome orange, molybdate (C.P.)	1,000 sh. tons	6	9	11	14	15	10
Hydrochloric acid (100% HCl)	1,000 sh. tons	970	1,370	2,014	2,516	2,451	1,989
Hydrofluoric acid, anhydrous and aqueous (100% HF)	1,000 sh. tons	118	150	240	269	282	213
Hydrogen, high purity (99.5–100%) <sup>7</sup>	Bil. cu. ft.	13	30	60	65	82	74
Hydrogen, lower purity (less than 99.5%) <sup>7</sup>	Bil. cu. ft.	52	92	61	80	94	78
Hydrogen peroxide (100% by weight)	1,000 sh. tons	29	53	61			
Nitric acid (100% HNO <sub>3</sub> )	1,000 sh. tons	3,315	4,893	6,679	8,441	8,120	7,527
Nitrogen, high purity (99.5–100%)	Bil. cu. ft.	19	72	151	228	243	253
Nitrogen solutions (100% N)	1,000 sh. tons	804	1,112	1,721	1,947	2,102	2,013
Oxygen, high purity (99.5–100%) <sup>8</sup>	Bil. cu. ft.	58	182	284	392	390	352
Oxygen, lower purity (less than 99.5%)	Bil. cu. ft.	1,479	2,170	1,899	392	7,213	
Phosphoric acid (100% P <sub>2</sub> O <sub>5</sub> )	1,000 sh. tons	2,087	3,905	5,683	6,848	7,671	
Phosphorus (white and red)	1,000 sh. tons	409	555	597	526	524	449
Potassium hydroxide (88–92% KOH)	1,000 sh. tons	103	181	175	220	208	234
Potassium pyrophosphate (100% K <sub>4</sub> P <sub>2</sub> O <sub>7</sub> )	1,000 sh. tons	26	55	40	42	40	41
Sodium bichromate and chromate	1,000 sh. tons	122	141	154	159	179	124
Sodium carbonate: Synthetic (58% Na <sub>2</sub> O): <sup>9</sup>							
Total crude bicarbonate equivalent <sup>10</sup>	1,000 sh. tons	4,558	4,926	4,393	3,813	3,507	2,802
Finished light <sup>11</sup>	1,000 sh. tons	2,238	2,272	1,771	1,768	1,711	1,284
Finished dense	1,000 sh. tons	1,998	2,399	2,483	1,920	1,643	1,396
Natural <sup>12</sup>	1,000 sh. tons	790	1,494	2,078	3,707	4,048	4,353
Sodium chlorate (100% NaClO <sub>3</sub> )	1,000 sh. tons	92	134	198	174	203	173
Sodium hydroxide (caustic soda):							
Liquid (100% NaOH)	1,000 sh. tons	4,972	6,842	10,141	9,307	11,189	9,583
Sodium phosphate:							
Tribasic (100% Na <sub>3</sub> PO <sub>4</sub> )	1,000 sh. tons	51	55	53	54	52	56
Meta (100% Na <sub>2</sub> PO <sub>4</sub> )	1,000 sh. tons	63	81	87	74	80	54
Tetra (100% Na <sub>2</sub> PO <sub>4</sub> ) <sup>13</sup>	1,000 sh. tons	90	107	56	46	46	34
Tripoly (100% Na <sub>5</sub> PO <sub>3</sub> ) <sup>14</sup>	1,000 sh. tons	690	923	1,208	961	903	770
Sodium silicate (soluble silicate glass, liquid and solid) (anhydrous) <sup>15</sup>	1,000 sh. tons	497	588	628	723	770	724
Sodium sulfate:							
High purity (more than 99% Na <sub>2</sub> SO <sub>4</sub> )	1,000 sh. tons	303	428	812	754	783	796
Glauber's salt (100% Na <sub>2</sub> SO <sub>4</sub> ·10H <sub>2</sub> O)	1,000 sh. tons	32	738	14,976	561	551	565
Lower purity (99% or less Na <sub>2</sub> SO <sub>4</sub> )	1,000 sh. tons	738	14,976	561	551	565	431
Sulfuric acid gross (100% H <sub>2</sub> SO <sub>4</sub> ) <sup>16</sup>	Mil. sh. tons	18	25	30	32	34	32
Titanium dioxide (composite and pure) (100% TiO <sub>2</sub> )	1,000 sh. tons	456	577	655	785	787	603

D Withheld to avoid disclosing figures for individual companies.

<sup>1</sup> Excludes quantities of acetylene produced and consumed by railroad shops, shipyards, and small establishments using portable generators. <sup>2</sup> Excludes quantities produced and consumed by municipalities.

<sup>3</sup> Excludes byproduct coke-oven production.

<sup>4</sup> Includes data for decolorizing and water purification grades only.

<sup>5</sup> Excludes quantities produced and consumed in plants manufacturing soda ash or urea.

<sup>6</sup> Total production, including quantities liquefied for use, storage, or shipment.

<sup>7</sup> Excludes quantities produced and consumed in manufacture of methanol and ammonia, produced by ammonia dissociation process, or disposed of as waste, e.g., vented, used as fuel, etc. Beginning 1970, excludes amounts of hydrogen produced in petroleum refineries for captive use. <sup>8</sup> Combined with low purity.

<sup>9</sup> Includes quantities used to manufacture caustic soda, sodium bicarbonate, finished light and dense soda ash.

<sup>10</sup> Ammonia soda and caustic carbonation processes.

<sup>11</sup> Excludes quantities converted to finished dense soda ash.

<sup>12</sup> Collected by or in cooperation with U.S. Bureau of Mines.

<sup>13</sup> Excludes amounts produced and consumed in making meta-, ortho-, and sesquisilicates.

<sup>14</sup> Includes Glauber's salt converted to 100% Na<sub>2</sub>SO<sub>4</sub>. <sup>15</sup> Includes sulfuric acid of oleum grades.

Source: U.S. Bureau of the Census, compiled from manufacturers' reports and published in *Current Industrial Reports*, series M28A, M28B, and M28C.

## No. 1396. CHEMICALS AND ALLIED PRODUCTS—VALUE OF SHIPMENTS: 1965 TO 1975

[In millions of dollars. "N.e.c." means not elsewhere classified]

PRODUCT	1965	1970	1971	1972	1973	1974	1975
Alkalies and chlorine	575	666	701	806	876	1,232	1,630
Industrial gases	495	664	667	659	721	793	919
Cyclic crudes and intermediates	1,452	2,014	2,078	2,332	2,764	4,141	4,188
Inorganic pigments	549	683	689	756	893	1,196	972
Industrial organic chemicals, n.e.c.	5,023	6,470	6,815	7,466	8,548	12,743	14,017
Miscellaneous acrylic chemical products	233	371	393	466	559	801	887
Miscellaneous acrylic chemicals, except urea	3,773	4,526	4,697	5,435	6,023	9,027	9,849
Synthetic organic chemicals, n.e.c., except bulk	514	719	786	723	880	1,234	1,212
Industrial inorganic chemicals, n.e.c.	3,339	4,109	3,882	2,003	2,314	2,4,609	2,4,657
Potassium and sodium compounds	547	543	525	503	583	900	908
Plastics materials and resins <sup>1</sup>	3,471	4,562	4,820	4,486	5,678	8,444	7,899
Synthetic rubber (vulcanizable elastomers)	959	1,114	1,153	1,289	1,397	1,862	1,805
Cellulosic manmade fibers	741	665	680	686	744	898	780
Organic fibers, noncellulosic <sup>2</sup>	1,833	2,468	2,821	2,949	3,954	3,867	4,042
Polyamide fibers, nylon, exc. nontextile mono-filaments	1,079	1,097	1,173	1,252	1,527	1,567	1,475
Biological products	172	351	415	495	559	684	758
Medicinals and botanicals	464	747	761	794	986	1,467	1,484
Pharmaceutical preparations	3,621	5,264	5,611	6,295	6,841	7,468	8,178
Soap and detergents	1,956	2,509	2,522	2,852	3,093	3,500	3,215
Polishes and sanitation goods	890	1,306	1,355	1,736	1,844	1,980	2,189
Specialty cleaning and sanitation products	448	755	802	899	937	1,071	1,181
Toilet preparations <sup>1</sup>	2,286	3,770	3,920	4,247	4,573	4,797	5,150
Hair preparations (incl. shampoos)	706	1,034	1,004	1,065	1,100	1,129	1,320
Perfumes, toilet water, colognes	264	538	571	677	716	755	853
Dentrifrices, mouthwashes, gargles, and rinses	259	468	462	485	(9)	555	536
Paints and allied products	2,566	3,019	3,141	3,520	3,914	4,578	4,677
Fertilizers	1,434	1,394	1,423	2,642	2,033	2,5,203	2,6,588
Agricultural chemicals, n.e.c.	582	908	935	1,196	1,327	1,843	2,266
Adhesives and sealants	446	580	631	954	1,152	1,404	1,471
Explosives	200	213	189	238	247	389	412
Printing ink	324	389	408	498	528	623	691

<sup>S</sup> Does not meet publication standards. <sup>1</sup> Includes data for products not shown separately.<sup>2</sup> Synthetic ammonia, nitric acid, and ammonium compounds included in fertilizers.<sup>3</sup> Excludes gelatin.Source: U.S. Bureau of the Census, *Census of Manufactures, 1972*, and *Annual Survey of Manufactures*.

## No. 1397. RUBBER (NATURAL, RECLAIMED, AND SYNTHETIC)—NEW SUPPLY, DISTRIBUTION, AND STOCKS: 1950 TO 1975

[In thousands of long tons. Prior to 1965, excludes Alaska and Hawaii, except for imports and exports, which also include Puerto Rico. Natural rubber refers to dry weights of all types, including liquid latex, guayule, etc. Synthetic comprises SBR (including weight of oil content, beginning 1955), neoprene, butyl, and butadiene-acrylonitrile, all years; beginning 1965, also includes polyisobutylene, chlorosulfonated polyethylene, and poly-sulfide, silicone, acrylic, stereo, and fluorocarbon rubbers. Reclaimed comprises both natural and synthetic rubber reclaims.]

ITEM	1950	1955	1960	1965	1970	1971	1972	1973	1974	1975
New supply	1,618	1,946	2,150	2,581	3,042	3,177	3,340	3,547	3,285	2,819
Domestic production <sup>1</sup>	789	1,296	1,720	2,094	2,308	2,440	2,611	2,768	2,492	2,091
Synthetic	476	970	1,436	1,813	2,197	2,241	2,417	2,566	2,358	1,972
Imports <sup>2</sup>	829	649	420	487	644	737	729	779	793	728
Natural	802	638	411	445	550	613	618	643	682	658
Distribution	1,590	1,961	2,203	2,657	3,001	3,183	3,410	3,561	3,449	2,894
Domestic consumption	1,662	1,842	1,835	2,326	2,677	2,871	3,121	3,245	3,143	2,645
Natural	720	635	479	515	559	578	641	687	723	654
Reclaimed	304	318	277	270	200	188	188	165	137	124
Synthetic	538	895	1,079	1,540	1,918	2,093	2,292	2,393	2,278	1,887
Exports <sup>3</sup>	28	118	368	331	324	312	289	316	306	249
Synthetic	8	94	342	282	299	282	265	295	284	226
Stocks, end of year <sup>4</sup>	178	279	359	442	645	643	632	670	694	558
Synthetic	53	138	249	312	515	487	496	523	537	423

<sup>1</sup> Includes reclaimed. <sup>2</sup> Includes reclaimed and synthetic. <sup>3</sup> Includes natural and reclaimed.<sup>4</sup> Differences between "New supply" and "Distribution" are not precisely comparable with "Stocks" due to year end and inventory adjustments.Source: U.S. Bureau of the Census, *Current Industrial Reports*, series MA-30A.

**NO. 1398. PHARMACEUTICAL PREPARATIONS—VALUE OF SHIPMENTS: 1962 TO 1975**  
 [In millions of dollars. Excludes biologicals]

PRODUCT	1962	1965	1969	1970	1971	1972	1973	1974	1975
<b>Total shipments<sup>1</sup></b>	<b>2,796</b>	<b>3,583</b>	<b>5,020</b>	<b>5,280</b>	<b>5,699</b>	<b>6,066</b>	<b>6,463</b>	<b>7,090</b>	<b>7,798</b>
Drugs acting on—									
Central nervous system and sense organs.	698	960	1,386	1,442	1,532	1,636	1,700	1,407	2,036
Cardiovascular systems.	127	175	268	305	356	400	461	542	636
Respiratory systems.	278	329	491	489	500	561	611	646	744
Digestive or genitourinary system.	392	491	632	688	706	746	755	867	946
Skin.	136	209	279	299	354	344	375	432	457
Drugs affecting—									
Neoplasms, endocrine system, and metabolic diseases.	254	351	515	523	577	615	650	743	806
Parasitic and infective diseases.	483	621	825	859	934	948	1,033	1,116	1,185
Vitamin, nutrient, and hematologic drugs.	310	326	458	492	555	587	626	697	737
Preparations for veterinary use.	101	120	164	182	193	227	250	250	267

<sup>1</sup> Includes products not shown separately.

Source: U.S. Bureau of the Census, *Current Industrial Reports*, series MA-28G.

**NO. 1399. PETROLEUM AND COAL PRODUCTS—VALUE OF SHIPMENTS AND INVENTORIES: 1958 TO 1975**

[In millions of dollars. See also table 1285]

ITEM AND PRODUCT	1958	1963	1967	1970	1971	1972	1973	1974	1975
Shipments, total	14,875	16,916	20,821	23,676	25,260	27,349	33,367	55,959	56,177
Petroleum refining	14,134	15,984	19,692	22,280	23,541	25,946	31,190	53,230	53,230
Gasoline	7,825	9,844	11,704	12,308	13,030	15,729	24,946	31,396	
Jet fuel	633	1,100	1,224	1,302	1,372	1,638	2,935	3,702	
Kerosene	412	375	431	390	401	372	456	736	790
Distillate fuel oil	2,491	2,896	3,306	3,835	4,014	4,408	5,476	9,761	1,252
Residual fuel oil	817	622	566	663	907	1,107	1,660	3,643	4,610
Liquefied refinery gases	560	703	1,136	1,300	1,252	1,153	1,430	3,026	2,886
Lubricating oils and greases	1,883	1,210	1,327	881	899	1,537	1,779	2,507	2,490
Unfinished oils and lubricating oils base stock	441	526	613	637	635	734	891	1,420	1,613
Asphalt	285	361	424	541	651	672	808	1,489	1,587
Other finished petroleum prod.	421	681	945	1,089	1,173	1,081	1,323	2,767	2,956
Paving and roofing materials	674	862	1,049	1,298	1,573	1,795	2,020	2,525	2,604
Paving mixtures and blocks	268	403	530	672	748	893	982	1,167	1,182
Asphalt felts and coatings	408	460	519	626	826	902	1,058	1,358	1,512
Products, not elsewhere classified	67	69	80	118	146	189	157	204	253
Inventories, total <sup>2</sup>	1,676	1,818	2,030	2,291	2,408	2,224	2,572	14,084	4,741
Petroleum refining	1,573	1,696	1,904	2,131	2,229	2,083	2,449	3,898	4,534

<sup>1</sup> Includes lubricating oils and greases made from purchased materials.

<sup>2</sup> Inventories as of end of reporting year.

Source: U.S. Bureau of the Census, *Census of Manufactures*, 1958, vols. I and II; 1963, vol. I; 1967, vols. I and II; 1972, vols. I and II; and *Annual Survey of Manufactures*.

**NO. 1400. STRUCTURAL CLAY PRODUCTS—SHIPMENTS, BY KIND: 1960 TO 1976**  
 [1960 excludes Alaska and Hawaii. See *Historical Statistics, Colonial Times to 1970*, series P 264, for production of brick]

PRODUCT	1960	1965	1970	1972	1973	1974	1975	1976
<b>Brick (building or common face):</b>								
Quantity	6,502	8,089	6,496	8,402	8,674	6,673	5,854	6,969
Value	224	301	288	404	451	376	357	460
<b>Facing tile (structural), ceramic glazed, including glazed brick:</b>								
Quantity	382	314	160	127	122	97	79	62
Value	34	26	16	13	13	13	11	10
<b>Structural clay tile, except facing:</b>								
Quantity	488	313	181	101	94	100	89	71
Value	8	5	6	3	4	4	4	3
<b>Vitrified clay sewer pipe and fittings:</b>								
Quantity	1,855	1,732	1,622	1,718	1,647	1,454	1,190	1,098
Value	95	103	119	143	138	134	124	123
<b>Clay floor and wall tile and accessories:</b>								
Quantity	233	283	250	308	301	273	236	259
Value	130	142	126	159	168	168	159	186

<sup>1</sup> Includes unglazed and salt glazed facing tile.

Source: U.S. Bureau of the Census, *Current Industrial Reports*, series M32D.

**NO. 1401. IRON AND STEEL INDUSTRY—SUMMARY: 1950 TO 1976**  
 [Reporting companies in 1976 represented 90 percent of raw steel production of entire industry]

ITEM	1950	1955	1960	1965	1970	1972	1973	1974	1975	1976
Steel mill products, apparent supply	70.6	81.6	71.5	100.6	97.1	106.6	122.5	119.6	89.0	101.1
Net shipments	72.2	84.7	71.1	92.7	90.8	91.8	111.4	109.5	80.0	89.4
Exports	2.6	4.1	3.0	2.5	7.1	2.9	4.1	5.8	3.0	2.7
Imports	1.0	1.0	3.4	10.4	13.4	17.7	15.2	16.0	12.0	14.3
Percent of total supply	1.4	1.2	4.7	10.3	13.8	16.6	12.4	13.4	13.5	14.1
Scrap consumed	53.7	63.9	52.1	69.8	69.3	71.1	82.5	81.1	62.8	69.3
Scrap produced	31.0	37.4	33.3	46.7	46.4	44.7	50.4	47.4	40.1	43.5
Scrap inventory	3.8	5.7	7.7	6.0	6.5	7.1	6.0	6.9	7.6	8.6
All iron and steel products:										
Exports	3.1	4.6	4.1	3.1	8.1	3.6	5.1	7.1	4.1	3.9
Imports	2.0	1.5	4.1	12.0	14.6	19.6	17.0	18.0	13.0	16.3
Revenues	9.5	14.0	14.2	18.0	19.3	22.6	28.9	38.2	33.7	30.5
Net income	.8	1.1	.8	1.1	.5	.8	1.3	2.5	1.6	1.3
Percent of revenues	8.0	7.8	5.7	5.9	2.8	3.4	4.4	6.5	4.7	3.6
Percent of stockholders' equity	14.1	13.9	7.7	8.9	4.1	5.7	8.8	17.1	9.8	7.7
Stockholders' equity <sup>1</sup>	5.5	7.9	10.5	12.0	13.0	13.7	14.5	14.5	16.2	17.2
Total assets	8.8	12.1	15.9	18.8	23.6	24.8	26.1	29.5	30.4	33.6
Net fixed assets	3.7	5.6	8.8	10.0	14.1	14.4	14.5	15.0	16.9	18.7
Capital expenditures	.5	.7	1.5	1.8	1.7	1.2	1.4	2.1	3.2	3.3
Working capital ratio	2.2	2.5	2.6	2.4	1.9	1.9	1.9	1.8	2.0	1.9
Inventories	1.4	2.1	3.0	3.2	1.1	4.1	3.7	4.4	5.4	6.4
Average employment	592	625	572	584	531	478	509	512	457	454
Man-hours worked	1,214	1,285	1,057	1,421	1,220	1,225	1,320	1,313	855	877
Index of output per man-hour <sup>2</sup>	(NA)	(NA)	82.3	101.1	101.1	101.9	123.8	123.4	108.6	116.5

NA. Not available. <sup>1</sup> Prior to 1974, as of December 31; thereafter, as of January 1.

<sup>2</sup> 1967=100. <sup>3</sup> Preliminary.

Source: American Iron and Steel Institute, Washington, D.C., *Annual Statistical Report*. (Copyright.)

**NO. 1402. WORLD STEEL TRADE—SELECTED DATA: 1960 TO 1976**

[In millions of net tons, raw steel equivalent. A net ton equals 1.10 metric tons]

ITEM	1960	1965	1968	1969	1970	1971	1972	1973	1974	1975	1976
Raw steel production, total	381.6	503.1	582.5	632.0	654.2	639.9	694.5	768.8	782.8	712.0	753.1
United States	99.3	131.5	131.5	141.3	131.5	120.4	133.2	150.8	145.7	116.8	128.0
Apparent consumption	71.5	100.6	107.6	102.7	97.1	102.5	106.6	122.5	119.6	89.0	101.2
Net shipments	71.1	92.7	91.9	93.9	90.8	87.0	91.8	111.4	109.5	80.0	89.6
Imports	3.4	10.4	18.0	14.0	18.4	18.3	17.7	15.2	16.0	12.0	14.3
From Japan	.6	4.4	7.3	6.3	5.9	6.9	6.4	5.6	6.2	5.8	8.0
From EEC(9) <sup>1</sup>	2.1	4.9	8.4	6.1	5.4	8.5	7.8	6.5	6.4	4.1	3.2
From all others	.7	1.1	2.3	1.7	2.0	2.9	2.7	3.0	3.4	2.0	3.1
Exports	3.0	2.5	2.2	5.2	7.1	2.8	2.9	4.1	5.8	3.0	2.7
Japan	24.4	45.4	73.7	90.5	102.9	97.6	106.8	131.5	129.1	112.8	118.4
Apparent consumption	21.2	31.3	54.8	67.4	78.8	63.4	75.6	94.8	81.8	71.0	66.0
Exports	3.5	14.0	19.0	23.1	26.0	34.1	31.1	36.8	47.3	41.7	52.4
EEC(9) <sup>1</sup>	107.9	125.5	138.2	148.5	151.7	141.3	153.4	165.5	171.5	138.1	148.1
Red Bloc	115.9	146.0	173.0	182.1	192.9	204.9	215.8	227.3	287.3	244.7	253.5
Rest of free world	34.1	54.7	65.5	69.6	76.2	75.7	83.7	99.2	99.8	105.1	105.1

<sup>1</sup> European Economic Community, comprising nine countries; see text, p. 887.

Source: Putnam, Hayes & Bartlett, Inc., Newton, Mass., *Economics of International Steel Trade*, May 1977.

**NO. 1403. IRON AND STEEL—WHOLESALE PRICE INDEXES: 1950 TO 1977**

[1967=100. Prior to 1965, excludes Alaska and Hawaii]

YEAR	Iron and steel, total	STEEL MILL PRODUCTS			Pig iron and ferro-alloys	Iron ore	Scrap, iron and steel	Foundry and forge shop products
		Total	Finished	Semi-finished				
1950	64.6	59.4	59.5	57.8	87.3	77.8	139.3	60.3
1955	80.3	77.2	77.3	77.9	104.6	101.3	139.3	73.1
1960	97.1	96.4	96.3	97.1	120.4	108.0	110.2	92.0
1965	97.9	97.5	97.5	98.3	100.3	100.7	112.6	94.6
1970	115.1	114.2	114.2	112.2	114.8	100.1	138.8	112.1
1971	121.8	122.9	122.9	122.8	125.3	103.0	114.5	119.6
1972	128.4	130.4	130.4	130.9	125.4	103.0	121.8	124.3
1973	136.2	134.1	134.1	133.9	129.4	106.7	188.0	131.5
1974	178.6	170.0	169.0	188.1	123.3	353.2	161.4	
1975	200.9	197.2	196.6	206.7	264.7	154.3	245.6	194.3
1976	215.9	209.7	208.9	223.0	261.4	171.0	259.0	218.3
1977, June	226.9	225.4	224.6	237.6	255.5	188.8	230.6	229.0

Source: U.S. Bureau of Labor Statistics, *Wholesale Prices and Price Indexes*, monthly and annual.

## NO. 1404. RAW STEEL PRODUCTION AND AGGREGATE EXPORTS: 1950 TO 1976

[Tons specified are net tons. See *Historical Statistics, Colonial Times to 1970*, series P 265-269]

YEAR	World production (1,000 tons)	U.S. PRODUCTION			TYPE OF FURNACE			GRADES		EXPORTS <sup>2</sup>	
		Total (1,000 tons)	Percent of world	Index, 1967=100	Open hearth <sup>1</sup> (1,000 tons)	Electric (1,000 tons)	Basic oxygen process (1,000 tons)	Carbon (1,000 tons)	Alloy and stainless (1,000 tons)	Quantity (1,000 tons)	Value (mill. dol.)
1950	207,906	96,836	46.6	76.1	90,797	6,039	—	88,266	8,570	3,248	465
1955	297,476	117,036	39.4	92.0	108,679	8,050	307	106,376	10,660	9,723	979
1960	379,663	99,282	26.0	78.0	87,557	8,379	3,346	90,862	8,420	11,493	1,187
1965	503,083	131,462	26.2	103.3	94,779	13,804	22,879	118,651	14,811	8,934	1,202
1966	519,124	134,101	25.8	105.4	85,303	14,370	33,928	118,732	15,369	7,763	1,155
1967	547,600	127,213	23.2	100.0	70,690	15,089	41,434	113,190	14,023	9,427	1,242
1968	582,548	131,462	22.6	103.3	65,836	16,814	48,812	116,289	15,193	8,989	1,237
1969	632,010	141,262	22.4	111.0	60,894	20,182	60,236	124,832	16,430	14,566	1,747
1970	654,184	131,514	20.1	103.4	48,022	20,162	63,330	117,411	14,103	15,360	1,968
1971	639,907	120,443	18.8	94.7	35,559	20,941	63,943	107,007	13,436	9,376	1,491
1972	694,481	133,241	19.2	104.7	34,936	23,721	74,584	117,698	15,543	10,959	2,642
1973	768,570	150,799	19.6	118.5	39,780	27,759	83,260	132,747	18,052	16,457	2,618
1974	782,818	145,720	18.6	114.5	35,499	28,689	81,552	126,608	19,112	14,826	4,353
1975	712,033	116,642	16.4	(NA)	22,161	22,680	71,801	100,360	16,282	12,015	4,348
1976	753,050	128,000	17.0	(NA)	24,470	24,612	79,918	112,008	15,992	11,031	3,765

<sup>1</sup> Represents zero. NA Not available.<sup>2</sup> Includes bessemer. <sup>3</sup> Source: U.S. Bureau of the Census, *Foreign Commerce and Navigation of the United States; U.S. Exports, Schedule B Commodity and Country*, FT 410, monthly; *Quarterly Summary of Foreign Commerce of the United States*. Includes exports of Puerto Rico to foreign countries. Includes ferromanganese. Excludes steam and hot water heating boilers and radiators. Includes shipments under foreign aid programs and civilian supply shipments. Beginning 1955, quantity figures exclude, but value figures include, data for wire cloth and other items for which quantities were not reported. <sup>4</sup> Preliminary.

## NO. 1405. STEEL PRODUCTS—NET SHIPMENTS, BY MARKET CLASSES: 1960 TO 1976

[In thousands of short tons. Comprises carbon, alloy, and stainless steel. "N.e.c." means not elsewhere classified]

MARKET CLASS	1960	1965	1970	1972	1973	1974	1975	1976
<b>Total<sup>1</sup></b>	<b>71,149</b>	<b>92,666</b>	<b>90,798</b>	<b>91,805</b>	<b>111,430</b>	<b>109,472</b>	<b>79,957</b>	<b>89,447</b>
Steel for converting and processing	2,928	3,932	3,443	4,199	4,714	4,486	3,255	4,036
Independent forgers, n.e.c.	841	1,250	1,048	1,007	1,213	1,339	1,098	952
Industrial fasteners <sup>2</sup>	1,071	1,234	1,005	1,030	1,278	1,331	875	912
Steel service centers and distributors	11,125	14,813	16,025	16,797	20,383	20,400	12,700	14,615
Construction, including maintenance	9,664	11,836	8,913	8,589	10,731	11,360	8,119	7,508
Contractors' products	3,602	5,018	4,440	5,055	6,450	6,249	3,927	4,502
Automotive	14,610	20,123	14,475	18,217	23,217	18,928	15,214	21,351
Rail transportation	2,525	3,805	3,098	2,730	3,228	3,417	3,152	3,056
Freight cars, passenger cars, locomotives	1,763	2,875	2,005	1,511	1,997	2,097	1,794	1,428
Rails and all other <sup>3</sup>	762	930	1,093	1,219	1,231	1,320	1,358	1,628
Shipbuilding and marine equipment	622	1,051	859	872	1,019	1,339	1,413	.969
Aircraft and aerospace	78	94	56	63	69	79	69	59
Oil and gas industries	1,759	1,936	3,550	2,789	3,405	4,210	4,171	2,653
Mining, quarrying, and lumbering	288	392	497	502	534	644	596	536
Agricultural	1,003	1,483	1,126	1,439	1,772	1,850	1,429	1,734
Agricultural machinery	765	1,169	809	962	1,155	1,236	1,055	1,209
Machinery, industrial equipment, tools	3,958	5,873	5,169	5,306	6,351	6,440	5,173	5,180
Electrical equipment	2,078	2,985	2,694	2,824	3,348	3,242	2,173	2,671
Appliances, utensils, and cutlery	1,760	2,179	2,160	2,362	2,747	2,412	1,653	1,950
Other domestic commercial equipment	1,989	2,179	1,778	1,816	1,990	1,941	1,390	1,813
Containers, packaging and shipping	6,429	7,331	7,775	6,616	7,811	8,218	6,053	6,914
Cans and closures	4,976	5,867	6,239	5,128	6,070	6,349	4,859	5,290
Barrels, drums, and shipping pails	842	810	823	748	910	1,026	601	839
Other	611	654	713	740	831	843	593	765
Ordnance and other military	165	289	1,222	899	918	654	405	219
Exports (reporting companies only)	2,563	2,078	5,985	2,555	3,138	3,961	1,755	1,839
Nonclassified shipments	2,120	2,785	5,480	6,048	7,105	6,963	5,537	5,928

<sup>1</sup> Beginning 1970, data include estimates for a relatively small number of companies which report raw steel production but not shipments.<sup>2</sup> Includes railways, rapid transit systems, railroad rails, trackwork, and equipment.Source of tables 1404 and 1405: Except as noted, American Iron and Steel Institute, Washington, D.C., *Annual Statistical Report* (copyright).

## No. 1406. FERROUS CASTINGS—SHIPMENTS AND UNFILLED ORDERS: 1960 TO 1975

[In thousands of short tons. 1960 excludes Alaska and Hawaii. Gray iron castings are based on a sample of foundries; all other data on a complete count]

ITEM	1960	1965	1970	1971	1972	1973	1974	1975
<b>GRAY IRON CASTINGS</b>								
Shipments <sup>1</sup> .....	11,594	15,713	13,945	13,839	15,302	17,047	15,661	12,444
Pressure pipe and fittings.....	1,336	1,876	1,691	1,749	1,996	2,105	1,957	1,253
Soil pipe and fittings.....	782	958	953	1,006	1,044	956	771	595
All other gray iron castings.....	9,476	12,879	11,301	11,085	12,262	13,986	12,933	10,596
Unfilled orders, Dec. 31 <sup>2</sup> .....	553	882	888	835	1,140	1,666	1,416	994
<b>MALLEABLE IRON CASTINGS</b>								
Shipments.....	821	1,136	852	882	961	1,031	912	729
For sale.....	467	648	521	506	579	616	553	431
For own use.....	354	488	331	378	382	415	359	298
Standard malleable.....	632	827	628	635	682	734	669	509
Pearlitic malleable.....	189	300	224	247	279	297	243	220
Unfilled orders, Dec. 31 <sup>2</sup> .....	55	174	78	88	96	147	133	64
<b>STEEL CASTINGS</b>								
Shipments <sup>3</sup> .....	1,392	1,961	1,724	1,579	1,584	1,894	2,091	1,937
Carbon.....	1,016	1,378	1,147	1,068	1,066	1,277	1,394	1,299
Alloy.....	376	583	577	511	518	617	697	638
Unfilled orders, Dec. 31 <sup>2</sup> .....	163	436	321	281	317	929	1,527	748

<sup>1</sup> Includes shipments "for own use," and ductile (nodular) iron castings.<sup>2</sup> Unfilled orders "for sale" only. Excludes unfilled orders of captive plants. <sup>3</sup> Includes shipments "for own use."Source: U.S. Bureau of the Census. Monthly data in *Current Industrial Reports*, series M33A.

## No. 1407. NONFERROUS CASTINGS—SHIPMENTS AND UNFILLED ORDERS: 1960 TO 1976

[In millions of pounds. Shipments include "for own use." Unfilled orders are for the end of the year and comprise "for sale" only. Data based on sample and subject to sampling variation; see text, pp. 791-792]

ITEM	1960	1965	1970	1972	1973	1974	1975	1976, prel.
Shipments, all types.....	2,201	3,437	3,033	3,506	3,800	3,211	2,534	3,157
Unfilled orders, all types.....	148	252	158	200	261	189	143	161
Copper and copper-base alloy, shipments.....	760	889	751	763	780	671	519	548
Unfilled orders.....	22	31	16	18	34	31	16	16
Aluminum and aluminum-base alloy, shipments.....	775	1,409	1,506	1,856	2,026	1,759	1,375	1,844
Unfilled orders.....	71	138	97	114	159	118	90	110
Zinc and zinc-base alloy, shipments.....	623	1,065	696	799	908	693	572	694
Unfilled orders.....	52	71	42	63	82	34	34	32
Magnesium and magnesium-base alloy, shipments.....	24	32	34	43	45	49	32	39
Unfilled orders.....	3.2	11.2	2.9	4.7	5.9	5.1	2.4	2.3
Lead and lead-base alloy die, <sup>1</sup> shipments.....	21	42	45	46	41	39	36	32
Unfilled orders.....	.4	.9	.5	.6	1.5	.6	.5	.5

<sup>1</sup> Excludes lead die castings for battery plates and parts.Source: U.S. Bureau of the Census, *Current Industrial Reports*, series M33E.

## No. 1408. COPPER-BASE MILL AND FOUNDRY PRODUCTS—SHIPMENTS: 1960 TO 1975

[In millions of pounds, metal weight. Excludes Alaska and Hawaii]

PRODUCT	1960	1965	1970	1971	1972	1973	1974	1975, prel.
Total.....	4,298	6,288	5,640	5,822	6,477	7,195	6,196	4,639
Brass mill products.....	1,878	2,974	2,513	2,711	3,015	3,319	2,813	2,025
Alloyed <sup>1</sup> .....	1,128	1,711	1,542	1,632	1,895	2,060	1,816	1,324
Unalloyed.....	750	1,263	971	1,079	1,120	1,259	997	701
Copper wire mill products <sup>2</sup> .....	1,521	2,177	2,329	2,354	2,641	3,032	2,647	2,056
Brass and bronze foundry products.....	862	1,075	751	705	767	780	667	512
Copper-base powder mill products.....	39	62	47	52	54	64	69	46

<sup>1</sup> Excludes webbing scrap generated in production of military ammunition cups and discs. <sup>2</sup> Copper content.Source: U.S. Bureau of the Census and U.S. Bureau of Domestic Commerce, *Current Industrial Reports*, series DIB-917, annual.

## NO. 1409. ALUMINUM AND MAGNESIUM MILL PRODUCTS—NET SHIPMENTS: 1960 TO 1976

[In millions of pounds. 1960 excludes Alaska and Hawaii. Producers' net shipments consist of total shipments less shipments to other metal mills for further fabrication into other forms of mill products]

PRODUCT	1960	1965	1970	1972	1973	1974	1975	1976, prel.
<b>Aluminum mill products.....</b>	<b>3,049</b>	<b>5,692</b>	<b>7,358</b>	<b>9,246</b>	<b>10,900</b>	<b>10,461</b>	<b>7,427</b>	<b>9,702</b>
Plate, sheet, and foil.....	1,637	3,019	4,247	5,441	6,516	6,374	4,664	6,344
Rolled structural shapes, rod, bar, and wire.....	392	800	963	1,113	1,349	1,387	924	984
Extruded shapes and tubing.....	937	1,719	1,823	2,343	2,636	2,384	1,648	2,141
Powder, flake and paste.....	33	59	205	226	257	177	99	132
Forgings and impacts.....	50	95	120	123	142	138	97	100
<b>Magnesium mill products.....</b>	<b>21</b>	<b>32</b>	<b>31</b>	<b>31</b>	<b>32</b>	<b>29</b>	<b>22</b>	<b>22</b>

Source: U.S. Bureau of the Census, *Current Industrial Reports*, series M338-2 and MA33G.

## NO. 1410. MACHINERY (EXCEPT ELECTRICAL)—VALUE OF SHIPMENTS: 1960 TO 1974

[In millions of dollars. Based on sample and subject to sampling variation; see Appendix III. "N.e.c." means not elsewhere classified]

PRODUCT	1960	1965	1970	1971	1972	1973	1974
Addressing, dictating, duplicating, and other office machines, n.e.c.....	247	312	402	426	467	500	581
Automatic vending machines.....	185	240	266	309	306	309	329
Ball and roller bearings and components.....	836	1,224	1,295	1,258	1,419	1,696	1,961
Blowers and fans.....	269	386	647	693	682	905	1,034
Commercial laundry, dry-cleaning, and pressing machines <sup>1</sup> .....	120	178	204	195	185	227	203
Electronic computing equipment <sup>1</sup> .....	(NA)	2,964	{ 5,671	5,169	6,108	7,085	8,668
Calculating and accounting machines <sup>1</sup> .....			525	447	694	990	1,207
Carburetors, pistons, piston rings, and valves.....	(NA)	(NA)	530	654	794	922	890
Construction machinery, except tractors.....	1,451	2,444	2,630	2,673	3,972	4,739	5,748
Mining machinery.....	338	444	715	841	730	841	1,148
Conveyors and conveying equipment.....	367	532	814	819	826	1,004	1,285
Elevators and moving stairways <sup>1</sup> .....	205	261	326	394	412	447	462
Farm machinery (except tractors) <sup>3</sup> .....	1,449	2,060	3,065	3,184	2,928	3,724	4,793
Food products machinery.....	462	617	823	795	867	1,112	1,313
Hoists, cranes, and monorails.....	201	292	487	443	446	531	603
Industrial furnaces and ovens.....	215	309	377	336	341	450	515
Industrial trucks, tractors, trailers, and stackers <sup>1,4</sup> .....	389	637	890	865	1,005	1,231	1,526
Internal combustion engines, exc. auto. and aircraft.....	1,215	1,762	2,782	2,927	3,353	4,106	5,095
Mechanical power-transmission equipment.....	711	1,095	1,412	1,342	1,568	1,984	2,316
Metal-cutting machine tools <sup>1</sup> .....	747	1,386	1,544	1,113	1,250	1,719	2,136
Boring and drilling machines.....	86	179	205	142	132	172	166
Grinding and polishing.....	117	223	237	171	169	237	270
Lathes and milling.....	215	397	403	245	284	405	539
Metal farming machine tools.....	879	569	735	585	670	877	1,053
Presses, including forging.....	105	214	242	184	183	259	327
Office machines and typewriters <sup>1</sup> .....	456	638	978	933	1,047	1,139	1,431
Oil and gas field mach., and tools, incl. drilling equip.....	507	685	934	962	980	1,211	1,714
Paper industries machinery <sup>1</sup> .....	348	424	455	451	381	458	685
Printing trades machinery and equipment <sup>1</sup> .....	350	482	657	576	737	842	913
Pumps and compressors.....	1,107	1,614	2,203	2,197	2,356	2,917	3,496
Refrigeration machinery <sup>5</sup> .....	1,809	2,956	5,053	5,494	6,232	6,917	6,871
Scales and balances <sup>1</sup> .....	66	108	153	138	182	200	235
Small cutting tools for machine tools and metal-working machinery.....	401	625	700	626	738	928	1,120
Special dies, tools, jigs, and fixtures.....	1,751	2,139	2,775	2,183	2,714	3,169	3,578
Steam engines and turbines.....	623	623	1,640	2,061	2,080	2,285	2,482
Textile machinery <sup>1</sup> .....	494	664	712	672	738	821	987
Tractors, except tractor-shovel loaders <sup>1</sup> .....	1,142	2,028	2,227	2,131	2,896	3,568	4,576
Woodworking machinery.....	176	270	341	350	442	523	684

NA. Not available.

<sup>1</sup> Includes parts and attachments. <sup>2</sup> Beginning 1972, excludes coin-operated washers and dryers with less than 10 lb. capacity. <sup>3</sup> Beginning 1972, excludes lawn and garden equipment. <sup>4</sup> Excludes parts and attachments for garden tractors except for 1965, 1972, and 1973. <sup>5</sup> Includes non-electric warm-air furnaces.

Source: U.S. Bureau of the Census, *Annual Survey of Manufactures*, *Census of Manufactures*, and *Current Industrial Reports*.

## No. 1411. ELECTRICAL MACHINERY AND PRODUCTS SHIPMENTS: 1960 TO 1974

(In millions of dollars. All figures based on sample and subject to sampling variability)

PRODUCT	1960	1965	1969	1970	1971	1972	1973	1974
Cathode ray picture tubes.....	213	432	614	458	518	634	697	600
Current carrying wiring devices.....	622	644	906	983	897	1,207	4,417	1,524
Electric housewares and fans.....	598	1,002	1,224	1,261	1,271	1,448	1,704	1,643
Electric lamps (bulbs only).....	490	643	826	885	955	1,069	1,166	1,199
Electrical welding apparatus.....	283	433	534	470	482	570	663	897
Electron tubes, receiving types.....	307	263	231	220	224	190	177	150
Electron tubes, transmitting types (exc. X-ray).....	256	270	392	336	289	366	428	415
Capacitors for electronic application.....	271	358	493	413	386	454	619	688
Resistors for electronic application.....	212	370	432	348	348	438	557	518
Electronic coils, transformers, reactors, chokes.....	215	367	365	389	391	385	461	528
Electronic connectors.....	(NA)	2,276	3,092	3,134	3,198	524	658	793
Electronic components, n.e.c. <sup>1</sup> .....								
Electronic navigational aids.....	361	1,080	1,272	1,131	1,040	1,074	1,007	(NA)
Electronic search and detection apparatus <sup>2</sup> .....	1,301	1,257	2,095	2,303	2,447	2,264	2,226	(NA)
Engine electrical equipment.....	772	1,059	1,501	1,487	1,539	1,781	2,052	2,049
General industry power circuit devices and controls.....	567	825	1,225	1,154	1,173	1,246	1,542	1,870
Household cooking equipment.....	469	624	794	811	899	1,027	1,201	1,211
Household laundry equipment <sup>3</sup> .....	695	871	1,025	1,024	1,125	1,290	1,370	1,317
Household refrigerators and freezers.....	805	960	1,180	1,220	1,372	1,419	1,634	1,750
Household vacuum cleaners.....	4 161	221	310	328	366	439	501	516
Household appliances, n.e.c. <sup>1</sup> .....	350	479	588	623	730	817	967	987
Lighting fixtures <sup>4</sup> .....	928	1,359	1,773	1,795	1,916	2,294	2,534	2,513
Residential lighting fixtures.....	(NA)	(NA)	(NA)	(NA)	(NA)	746	800	886
Commercial lighting fixtures.....	(NA)	(NA)	(NA)	(NA)	(NA)	702	766	873
Missile-borne and space vehicle-borne equipment.....	(NA)	880	800	915	844	903	945	(NA)
Motors and generators.....	1,508	1,936	2,491	2,478	2,433	2,636	3,137	3,628
Noncurrent carrying wiring devices.....	360	536	686	700	735	834	959	1,252
Phonograph records and prerecorded tapes <sup>5</sup> .....	149	198	401	402	465	537	561	589
Primary batteries, dry and wet.....	163	221	313	290	322	317	346	394
Radio and TV receiving sets <sup>6</sup> .....	1,641	2,984	3,569	2,966	3,296	3,610	4,158	3,892
Radios and radio-phonos-combinations <sup>7</sup> .....	415	698	753	618	701	775	908	736
Household TV receivers.....	775	1,087	2,127	1,756	2,007	2,149	2,432	2,299
Communications equipment, exc. telephone <sup>8</sup> .....	597	1,145	1,724	1,869	1,488	1,555	1,989	(NA)
Sewing machines, household and industrial.....	130	114	130	126	135	152	182	203
Solid state semiconductor devices.....	(S)	839	1,493	1,582	1,567	2,361	3,178	3,575
Storage batteries.....	405	610	697	766	820	953	1,059	1,222
Switchgear and switchboard apparatus.....	899	1,269	1,798	1,849	1,907	2,059	2,350	2,520
Telephone, telegraph apparatus.....	1,431	1,953	3,038	3,575	3,708	3,974	4,427	4,883
Transformers.....	725	891	1,296	1,378	1,345	1,436	1,675	2,001
X-ray equipment.....	88	121	211	235	270	383	423	593

<sup>NA</sup> Not available. <sup>1</sup> N.e.c.—not elsewhere classified.<sup>2</sup> Includes radar, infrared, and sonar.<sup>3</sup> Beginning 1972, includes coin-operated washers and dryers with less than 10-lb. capacity.<sup>4</sup> Includes commercial and industrial vacuum cleaners.<sup>5</sup> Includes record blanks. <sup>6</sup> Household and auto radios.<sup>7</sup> Commercial, industrial, and military.Source: U.S. Bureau of the Census, *Annual Survey of Manufactures*, *Census of Manufactures*, and *Current Industrial Reports*.

## No. 1412. AIR-CONDITIONING AND REFRIGERATION—SHIPMENTS: 1965 TO 1975

[See *Historical Statistics, Colonial Times to 1970*, series P 280, for room air-conditioners]

PRODUCT	NUMBER (1,000)					VALUE (mil. dol.)				
	1965	1970	1973	1974	1975	1965	1970	1973	1974	1975
Condensing units <sup>1</sup> .....	509	485	501	475	354	69	72	101	109	97
Air-cooled.....	563	461	435	417	320	55	56	72	78	73
Compressors and comp. units.....	8,526	14,663	21,150	19,140	14,052	333	628	991	1,007	792
Centrifugal-refrig. systems.....	3	4	4	4	(D)	63	106	100	125	(D)
Heat-transfer equipment.....	(X)	(X)	(X)	(X)	(X)	217	360	462	476	416
Packaged air-cond. equipment.....	(X)	(X)	(X)	(X)	(X)	808	1,531	1,982	1,019	1,355
Room air conditioners.....	2,868	5,365	4,937	4,495	2,498	383	776	686	673	446
Unitary air conditioners.....	837	1,459	2,726	2,393	1,534	425	755	1,296	1,246	909
Ice-making machines.....	87	103	121	142	(X)	43	58	81	93	78

D Withheld to avoid disclosure. X Not applicable. <sup>1</sup> Excludes units for ammonia refrigerants.Source: U.S. Bureau of the Census, *Current Industrial Reports*, series MA-35M.

## Manufactures

## NO. 1413. TRANSPORTATION EQUIPMENT—VALUE OF SHIPMENTS: 1960 TO 1975

(In millions of dollars. "N.e.c." means not elsewhere classified)

TYPE OF EQUIPMENT	1960	1965	1970	1971	1972	1973	1974	1975
Motor vehicles and car bodies <sup>1</sup>	16,739	26,310	26,811	38,206	41,046	48,009	41,950	43,466
Passenger cars and chassis	14,009	21,852	19,391	28,554	29,246	33,358	27,154	28,883
Truck tractors, chassis, and trucks	2,573	4,289	5,734	7,519	9,566	12,167	12,846	11,883
Motor vehicle parts and accessories	2,273	2,875	13,189	16,297	19,417	22,866	22,670	22,759
Truck trailers, truck and bus bodies	341	1,164	1,548	1,661	1,703	2,052	2,432	1,745
Aircraft <sup>1</sup>	2,465	5,277	8,722	8,019	7,538	9,486	10,364	11,204
Complete aircraft, military	2,395	2,657	3,833	3,855	2,803	2,884	3,186	3,981
Complete aircraft, personal and utility	1,270	{ 337	3,176	2,835	{ 474	870	811	1,003
Commercial transport (complete)		1,275			2,787	3,873	4,207	4,006
Aircraft engines and parts	2,779	3,871	4,504	3,759	3,070	3,687	4,026	4,519
Aircraft equipment, n.e.c.	3,066	3,883	5,273	4,767	3,437	4,074	4,458	4,755
Shipbuilding and repairing <sup>1,2</sup>	1,216	1,918	2,594	2,661	3,201	3,888	4,712	5,513
Self-propelled ships, U.S. military, new	406	742	1,086	1,047	1,100	1,333	1,714	1,788
Self-propelled ships, nonmilitary, new	351	282	514	578	816	1,202	1,290	1,806
Boat building and repairing	331	423	644	691	1,031	1,159	1,121	1,306
Railroad equipment	1,087	2,027	(D)	(D)	2,260	2,512	3,308	3,923
Motorcycles, bicycles, and parts	123	226	395	443	541	721	880	732
Travel trailers and campers	(NA)	(NA)	(NA)	1,277	1,134	781	1,062	

D Withheld to avoid disclosure. NA Not available. <sup>1</sup> Includes data for industries not shown separately. <sup>2</sup> Includes combat vehicles. <sup>3</sup> Represents value of work done.

Source: U.S. Bureau of the Census, *Census of Manufactures, 1972*, and *Annual Survey of Manufactures, 1975*, M75(AS)-2.

## NO. 1414. TRACTORS—DOMESTIC SHIPMENTS AND EXPORTS, BY TYPE: 1960 TO 1975

ITEM	1960	1965	1970	1972	1973	1974	1975
Number of complete units shipped:							
Wheel tractors	1,000	139	215	162	179	187	182
Tracklaying <sup>2</sup>	1,000	22	25	17	23	27	23
Number exported: <sup>3</sup>							
Wheel tractors	1,000	20	34	18	22	31	36
Tracklaying <sup>2</sup>	1,000	14	14	10	9	10	12
Value of complete units shipped: <sup>1</sup>							
Wheel tractors	mil. dol.	350	805	863	1,164	1,329	1,602
Tracklaying <sup>2</sup>	mil. dol.	217	366	295	444	554	705
Value of exports: <sup>3</sup>							
Wheel tractors	mil. dol.	73	151	127	173	239	325
Tracklaying <sup>2</sup>	mil. dol.	176	229	297	311	374	469

<sup>1</sup> Domestic shipments. <sup>2</sup> Includes tractor-shovel loaders. <sup>3</sup> Manufacturers' factory shipments for export.

Source: U.S. Bureau of the Census, *Current Industrial Reports*, series M35A, M35D, and M35S.

## NO. 1415. SELECTED FARM MACHINES AND EQUIPMENT—SHIPMENTS: 1960 TO 1975

(In millions of dollars. Excludes tractors)

PRODUCT	1960	1965	1970	1971	1972	1973	1974	1975
Total	1,001	1,432	1,553	1,602	1,981	2,624	3,636	4,056
Farm machines and equip. (complete units)	798	1,169	1,271	1,307	1,616	2,187	3,042	3,376
Attachments and parts	203	263	282	294	365	437	594	680
Complete units, attachments, and parts:								
Plows	61	96	76	76	99	131	182	252
Harrows, rollers, pulverizers, stalk cutters	86	133	153	149	189	249	395	455
Planting, seeding, and fertilizing mach.	98	140	161	157	197	245	354	471
Cultivators, weeder, sprayers, dusters	96	122	115	114	138	204	302	362
Harvesting and haying machinery	404	651	631	688	834	1,089	1,501	1,709
Machinery for preparing crops for market or use	38	59	85	94	111	171	255	254
Farm poultry equipment	29	45	73	57	63	72	76	66
Farm dairy machines and equipment	20	31	42	45	61	67	80	68
Hog and other barn equipment	44	67	114	106	135	182	213	163
Farm elevators and blowers	28	37	35	39	52	69	92	82
Farm trucks and other transport equip.	37	51	69	77	104	145	186	174

Source: U.S. Bureau of the Census, *Current Industrial Reports*, series MA-35A.

# Home Appliances

825

## NO. 1416. HOME APPLIANCES—SALES AND RETAIL VALUE: 1965 TO 1976

[Compiled from reports of associations and manufacturers. Sales include exports, except that data for consumer electronics cover domestic production only. Except as indicated, covers electric appliances only]

PRODUCT	MANUFACTURERS' SALES (1,000 units)						RETAIL VALUE (mil. dol.)					
	1965	1970	1973	1974	1975	1976	1965	1970	1973	1974	1975	1976
<b>Home laundry</b>												
Dryers, clothes	6,567	7,075	9,760	8,532	7,098	7,666	1,399	1,482	2,106	1,944	2,062	2,402
Electric	2,098	2,981	4,256	3,584	2,870	3,174	367	525	760	670	717	836
Gas	1,388	2,120	3,330	2,845	2,198	2,466	236	360	576	515	539	639
Washing machines	710	852	926	739	672	708	131	165	184	155	178	198
Automatic and semi-automatic	4,430	4,094	5,504	4,948	4,228	4,492	1,014	987	1,346	1,274	1,346	1,566
Ranges, electric	3,810	3,869	5,234	4,713	4,032	4,288	934	925	1,303	1,235	1,310	1,527
<b>Other appliances</b>	<b>16,873</b>	<b>19,961</b>	<b>28,207</b>	<b>25,955</b>	<b>21,416</b>	<b>23,772</b>	<b>3,103</b>	<b>3,796</b>	<b>5,452</b>	<b>5,381</b>	<b>4,691</b>	<b>5,665</b>
Dishwashers	1,260	2,116	3,702	3,320	2,702	3,140	276	466	800	759	697	855
Food waste disposers	1,360	1,977	2,974	2,553	2,080	2,515	82	129	193	194	187	252
Freezers	1,160	1,359	2,415	3,219	2,457	1,548	271	302	533	754	600	422
Microwave ovens	(X)	30	440	685	840	1,485	(X)	15	167	217	337	626
Ranges, electric	2,055	2,362	3,430	2,925	2,082	2,463	446	540	752	702	496	665
Ranges, gas	2,266	2,362	2,481	1,950	1,613	1,825	435	510	544	447	382	490
Refrigerators, electric	4,930	5,286	6,774	5,982	4,582	4,817	1,282	1,448	1,890	1,765	1,425	1,686
Trash compactors	(X)	(X)	320	315	233	249	(X)	70	66	52	57	
Water heaters, electric	1,095	1,684	2,591	2,487	2,195	2,616	92	152	238	241	241	288
Water heaters, gas	2,737	2,785	3,080	2,569	2,632	3,114	219	234	265	236	274	324
<b>Electric housewares</b>	<b>66,398</b>	<b>74,078</b>	<b>82,961</b>	<b>81,447</b>	<b>72,448</b>	<b>86,870</b>	<b>1,379</b>	<b>1,747</b>	<b>2,093</b>	<b>2,473</b>	<b>2,317</b>	<b>2,635</b>
Bed coverings	4,610	4,050	4,300	4,410	4,032	4,370	78	81	86	97	89	101
Blenders	1,800	5,100	4,700	4,300	4,000	4,490	45	128	99	90	92	99
Broilers	1,890	2,605	2,650	2,475	2,006	2,156	43	71	76	75	66	74
Can openers	4,300	5,000	5,250	5,435	5,120	5,475	60	65	74	87	87	82
Coffee makers, auto	6,600	8,100	9,325	10,422	9,566	14,423	104	130	196	244	245	335
Corn poppers	1,105	2,300	4,400	3,000	2,430	2,468	7	23	62	45	29	35
Floor polishers	1,181	1,156	767	640	530	566	47	46	35	31	27	21
Frypan skillets	2,650	3,200	3,625	3,547	2,611	2,613	56	93	112	117	89	94
Griddles, automatic	390	500	645	725	640	715	8	13	17	22	18	21
Hair dryers, (all types)	4,325	4,100	5,500	6,200	6,852	11,493	78	98	121	118	145	282
Heating pads	3,000	3,900	4,375	4,225	3,500	3,780	15	23	35	42	32	34
Irons	9,860	9,275	9,445	9,700	7,883	8,003	140	159	201	220	187	214
Steam and steam spray	7,950	7,985	8,700	8,750	7,086	7,311	123	144	191	210	177	205
Mixers, food	3,925	4,675	5,235	4,970	4,477	5,105	59	90	109	114	106	129
Stand	950	875	960	1,080	900	1,305	29	33	40	48	41	64
Portable	2,975	3,800	4,275	3,890	3,577	3,800	30	57	69	66	64	65
Oral hygiene devices <sup>2</sup>	3,300	2,850	2,200	1,935	1,602	1,499	45	46	28	28	23	21
Slicing knives	5,900	2,075	2,300	2,075	1,577	1,700	97	42	46	44	30	29
Toasters, automatic	4,750	5,975	6,845	7,177	6,204	7,397	74	108	116	144	138	177
Vacuum cleaners	5,107	7,382	9,124	8,251	7,650	8,767	398	502	650	922	879	852
Waffle, sandwich grills	1,000	1,025	1,025	960	1,028	1,100	22	19	14	15	20	19
Air treatment	18,216	20,198	20,620	20,062	16,332	17,454	935	1,679	1,542	1,426	1,099	1,228
Air-conditioners, room	2,945	5,887	5,346	4,564	2,683	2,062	624	1,207	1,069	931	644	741
Dehumidifiers	210	598	646	586	392	442	16	47	56	53	37	53
Fans	7,703	9,875	10,242	10,187	9,236	10,056	236	283	252	263	246	259
Heaters	1,808	2,835	3,170	3,625	2,990	2,748	29	70	73	94	90	69
Humidifiers	550	1,000	1,225	1,100	1,031	1,246	30	72	92	85	82	106
<b>Consumer electronics</b>	<b>34,800</b>	<b>30,063</b>	<b>73,155</b>	<b>63,717</b>	<b>50,277</b>	<b>44,996</b>	<b>3,916</b>	<b>3,660</b>	<b>6,345</b>	<b>6,079</b>	<b>4,572</b>	<b>5,826</b>
Phonographs, production	6,245	3,860	4,135	4,807	3,164	3,800	796	505	474	590	400	568
Table and portable	4,436	2,856	5,235	3,942	2,641	3,100	271	174	246	355	251	338
Console and comb. <sup>3</sup>	1,809	1,004	900	865	523	700	525	331	228	235	149	230
Radios, production	14,082	8,261	37,652	33,281	25,277	28,300	302	173	588	686	593	758
Table and clock	8,051	3,676	13,448	11,038	8,895	10,400	187	95	249	281	216	400
Portable radios	6,031	4,585	24,204	21,292	16,382	17,900	115	78	339	405	377	358
TV production:												
Black and white	8,382	4,851	7,297	6,868	4,418	5,196	1,336	643	753	881	584	567
Table and portable	6,956	4,463	7,049	6,732	4,354	5,134	974	558	705	855	571	554
Console and comb. <sup>3</sup>	1,426	388	248	136	64	62	362	85	48	26	13	13
Color	2,646	4,632	10,071	8,411	6,219	7,700	1,482	2,339	4,530	3,922	2,996	3,933
Table and portable	316	2,495	6,700	5,699	4,187	5,428	(NA)	973	2,539	2,279	1,716	2,415
Console and comb. <sup>3</sup>	2,330	2,137	3,371	2,713	2,032	2,272	(NA)	1,366	1,642	1,279	1,279	1,518
Tape recorders <sup>4</sup>	3,445	8,459	12,000	10,400	11,200	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Power lawn mowers	4,500	5,650	7,461	7,645	5,670	6,000	421	791	1,119	1,238	992	(NA)

NA Not available. X Not applicable.

<sup>1</sup> Includes combination can openers/knife sharpeners/ice crushers. <sup>2</sup> Includes imports; for 1965, toothbrushes only; thereafter, includes water-pulsating units. <sup>3</sup> Includes phonograph and/or radio combinations.

<sup>4</sup> Total market production (includes imports).

Source: Billboard Publications, Inc., New York, N.Y., *Merchandising*, annual statistical issues.